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ABSTRACT

This guide contains a list of commercially available microcomputer software programs for instructional use in preschool through grade 12 that has been favorably reviewed by the Educational Software Evaluation Consortium, which represents 29 organizations involved in computer education throughout North America. Only commercially available software is included. The guide is intended for use by educators to locate programs they may want to preview to determine its suitability for their instructional programs and students. Titles are listed under the following curriculum areas: art; business education; computers; electronic periodicals; health; instructional tools; keyboarding; language arts; library media skills; mathematics; music; preschool/early childhood; problem solving/logic; science; social science; tests and testing; vocational education/industrial arts; and world languages. Each entry includes the title, publisher, computer type(s), instructional modes, rating, grade levels, price, and a brief annotation. Titles are also listed alphabetically. A list of consortium participants and a directory of publishers are included. (MES)

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Educational Software Evaluation Consortium

The 1988-89 Educational Software Preview Guide

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Bill Honig, Superintendent of Public Instruction • Sacramento, 1988

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developed by the

EDUCATIONAL SOFTWARE EVALUATION CONSORTIUM

at the

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PREFACE

The 1988-89 Educational Software Preview Guide includes a list of favorably reviewed microcomputer software for instructional use in preschool through grade twelve. It is NOT a buying guide. It has been developed solely as an aid to educators in locating programs they may want to preview. The Consortium's participants recommend that all software be previewed by educators to determine its suitability for their instructional programs and students.

The 1988-89 Educational Software Preview Guide has been developed by the Educational Software Evaluation Consortium, which represents 29 organizations involved in computer education throughout North America. The programs listed in this guide have been favorably reviewed at participating sites. Placement of a title on a list and into specific subjects, grade levels, and instructional modes reflects the best judgment of the Consortium's participants.

This guide is not all-inclusive. It includes only commercially available instructional software. Titles not included in the guide fall into the following categories: not yet widely reviewed, not readily available to review, unfavorably reviewed, or outside specified categories (e.g., multimedia materials). Each edition of the guide is an independent publication and includes titles from earlier editions only if they meet the criteria established for the current year.

Development of *The 1988-89 Educational Software Preview Guide* was the major purpose of the California Software Evaluation Forum, held at Vallombrosa Center in Menlo Park, California, May 9-12, 1988. The Forum was sponsored by the California Software Clearinghouse in the San Mateo County Office of Education. The California State Department of Education funded this project as one activity of the Office of Educational Technology. Additional financial support for the Educational Software Evaluation Consortium was provided by Phi Delta Kappa and the participating organizations. Technical consultant for the project was Lary Smith, Wayne County ISD, Michigan.

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KEY TO ABBREVIATIONS

SUBJECT ABBREVIATIONS

AT	Art
BE - AC	Business Education - Accounting/Bookkeeping
BE - EN	Business Education - Economics
BE - TY	Business Education - Typing
CS	Computers
EP	Electronic Periodicals
HL	Health
IT - AU	Instructional Tools - Authoring System
IT - CM	Instructional Tools - Classroom Management
IT - DB	Instructional Tools - Data Base
IT - GG	Instructional Tools - Graphics Generator
IT - IM	Instructional Tools - Instructional Materials Generator
IT - SK	Instructional Tools - Spelling Checker
IT - SD	Instructional Tools - Spreadsheet
IT - SA	Instructional Tools - Student Study Aid
IT - TC	Instructional Tools - Telecommunications
IT - WP	Instructional Tools - Word Processor
KB	Keyboarding
LA	Language Arts
LM	Library Media Skills
MA - AD	Mathematics - Advanced Mathematics
MA - AL	Mathematics - Algebra
MA - GM	Mathematics - Geometry/Measurement
MA - NU	Mathematics - Number
MA - ST	Mathematics - Statistics
MU	Music
PR	Preschool/Early Childhood
PS	Problem Solving/Logic
SC - AY	Science - Astronomy
SC - BL	Science - Biology
SC - CH	Science - Chemistry
SC - ES	Science - Earth Science
SC - EE	Science - Environmental Education/Ecology
SC - GS	Science - General Science
SC - PH	Science - Physics
SC - SM	Science - Scientific Method/Lab Equipment
SS - EC	Social Science - Economics
SS - GE	Social Science - Geography
SS - GO	Social Science - Government/Political Science
SS - HI	Social Science - History
SS - SO	Social Science - Sociology
TE	Tests and Testing
VE	Vocational Education/Industrial Arts
WL - FR	World Languages - French
WL - GR	World Languages - German
WL - SP	World Languages - Spanish
WL - LT	World Languages - Language Tool

INSTRUCTIONAL MODE ABBREVIATIONS

AU	Authoring System
CA	Creative Activity
CP	Computer Programming
DB	Data Base
DE	Demonstration
DP	Drill and Practice
EG	Educational Game
GG	Graphics Generator
IF	Interface
IM	Instructional Materials Generator
PS	Problem Solving/Logic
SD	Spreadsheet
SH	Shell/Mini-authoring System
SI	Simulation
SK	Spelling Checker
TC	Telecommunications
TE	Test
TU	Tutorial
WP	Word Processor

GRADE LEVEL ABBREVIATIONS

P	Primary (K-3)
E	Elementary (4-6)
M	Middle (7-9)
S	Secondary (9-12)
T	Teacher

COMPUTER ABBREVIATIONS

AC	Acorn
AM	Amiga
AP	Apple
AT	Atari
CO	Commodore 64
IB	IBM PC
JR	IBM PCjr
MC	Macintosh
PE	Commodore PET
PS	IBM PS/2
TA	Tandy 1000
TC	TRS-80 Color
TR	TRS-80 Model III/4
VC	Commodore VIC

TIC RESOURCE GUIDE ABBREVIATIONS

F	Foreign Language
H	History-Social Science
L	Language Arts
M	Mathematics
S	Science
V	Visual and Performing Arts
E	Exemplary
D	Desirable

PRICE NOTATION

*	in PRICE column indicates a series for which programs are also sold separately.

TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE

ART

see also INSTRUCTIONAL TOOLS - GRAPHICS GENERATOR *section*

816/PAINT High resolution graphics package	*BAUDVILLE*	AP	CA,GG	- - - - - E	- E M S T	75.00
ADOBE ILLUSTRATOR High level graphics development tool	*ADOBE*	AP,MC	CA,GG	- - - - - - -	- - M S T	495.00
ANIMATE High resolution program for creating detailed cell-style animation	*BRODERBUND*	AP	CA,GG	- - - - - E	- E M S T	69.95
BLAZING PADDLES Tool for creating computer art; includes graphics library	*BAUDVILLE*	AP,CO	CA,GG	- - - - - D	- E M S T	55.00
CERTIFICATE MAKER Design and print professional-looking certificates	*SPRINGBOARD*	AP,AT,CO,IB,MC	GG	- - - - - - -	- E M S T	39.95
COLOR ME: COMPUTER COLORING KIT Draw freehand, or color and cut-and-paste predrawn pictures	*MINDSCAPE*	AP	CA,GG	- - - - - - -	P E - - T	29.95
CREATE WITH GARFIELD Create cartoons with Garfield characters; can be printed	*DLM*	AP,CO	CA,GG	- - - - - - -	P E - - T	29.95
CREATIVITY UNLIMITED Develops flexible and original approaches; building, rotating, and expanding objects	*SUNBURST*	AP	CA	- - - - - D	- - M S -	65.00
CRICKET DRAW Graphics development tool	*CRICKET SW*	MC	CA,GG,IM	- - - - - - -	- - M S T	295.00
DAZZLE DRAW Uses mouse interface to create computer art similar to art from the Macintosh	*BRODERBUND*	AP	CA,GG	- - - - - E	P E M S -	59.95
DELTA DRAWING Create images by using simple commands	*SPINNAKER*	AP,AT,CO,IB	CA,CP,PS	- - D E - -	P E M - -	49.95
DISNEY DESIGN STUDIO Create greeting cards and invitations with Disney cartoon characters	*SUNBURST*	AP	CA,GG	- - - - - - -	P E M - T	75.00
DRAW-IT Create and manipulate designs	*PAPERBACK*	IB	CA,GG	- - - - - D	- - - S T	29.95
ELECTRIC POET Authoring system with color, graphics, animation, and print capabilities; electronic presentation	*IBM*	IB	AU,CA	- - - - - - -	- E M S T	75.00
FACEMAKER Encourages memory and creative skills by creating and remembering facial features	*SPINNAKER*	AP,AT,CO,IB,JR	CA,DP,EG	- - - - - E	P E - - -	29.95
FANTAVISION "Tweening" creates up to 64 animated sequences for each picture drawn by user	*BRODERBUND*	AP	CA,GG	- - - - - E	- - M S T	59.95
FULLPAINT Drawing program similar to MACPAINT, but with scroll bars and other advanced features	*ASHTON TATE*	MC	CA,GG	- - - - - - -	P E M S T	99.95

TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
GRAPHICS EXPANDER V.1 Editing tool and 300 graphics for use with PRINT SHOP	*SPRINGBOARD*	AP,IB	GG	- - - - - -	P E M S T	**39.95**
GRAPHICWORKS Desktop publishing package	*MINDSCAPE*	MC	GG	- - - - - -	- - - S T	**149.95**
KOALAPAINTER Graphics used with nursery rhymes; requires Koalapad	*PTI-KOALA*	AP,AT,CO,JR	CA,GG	- - - - - E	P E M - T	**29.95**
MAC 3D High resolution graphics program features three-dimensional figures	*CHALLENGER*	AP,MC	CA,GG	- - - - - -	- - - S T	**195.00**
MACDRAW Graphics development tool for creating structured graphics and drawings	*CLARIS*	MC	CA,GG	- - - - - E	P E M S T	**195.00**
MACPAINT General-purpose graphics development tool	*CLARIS*	MC	CA,GG	- - - - - E	- E M S T	**125.00**
MACVISION Capture video images on the computer screen via a video camera; can print images	*PTI-KOALA*	MC	CA,GG	- - - - - E	- E M S T	**349.95**
MR. PIXEL'S CARTOON KIT Create animated cartoon graphics	*MINDSCAPE*	AP,CO,IB	CA,GG	- - D - - -	P E M - -	**39.95**
MR. PIXEL'S PROGRAMMING PAINT SET Create, design, and credit pictures on computer screen; can print pictures	*MINDSCAPE*	AP,CO,IB	CA,GG	- - - - - D	P E M - -	**39.95**
NEWSROOM Desktop publishing program for flyers and newsletters; includes instructional support materials	*SCHOLASTIC*	AP,CO,IB,JR	CA,GG,IM,WP	- - - - - D	- E M S T	**74.95**
NEWSROOM CLIP ART V.1 600 graphics for use with NEWSROOM	*SCHOLASTIC*	AP,IB	CA,GG	- - - - - -	- E M S T	**29.95**
PAGEMAKER Full-function desktop publishing system allows user to fully format individual pages	*ALDUS*	IB,MC	GG	- - - - - E	- - - S T	**495.00**
PAINTWORKS PLUS Drawing program features animation	*MEDIAGENIC*	AP	CA,GG	- - - - - E	P E M S T	**79.95**
PATTERNMAKER Experiment with creating color patterns to practice balance, symmetry, color, and design	*MINDSCAPE*	AP	CA,GG	- - - - - E	P E M S T	**9.95**
PIC-BUILDER Complete the 40 build-by-number pictures or create new pictures	*OPTIMUM RES*	AP,AT,CO	CA,GG	- - - - - -	P E M S T	**39.95**
PICTURE PERFECT High resolution drawing package	*MINDPLAY*	AP,IB	CA,GG	- - - - - D	P E M S T	**49.99**
PRINT SHOP Create signs, posters, greeting cards, and banners; many choices of graphics and fonts	*BRODERBUND*	AP,AT,CO,IB	CA,GG	- - - - - E	P E M S T	**49.95**
PRINT SHOP COMPANION Create graphics for use with PRINT SHOP	*BRODERBUND*	AP	CA,GG	- - - - - E	P E M S T	**39.95**

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
PRINT SHOP GRAPHICS LIBRARY Files of 120 designs for use with PRINT SHOP	*BRODERBUND*	AP,AT,CO,IB	CA,GG	- - - - - -	P E M S T	**24.95**
PRINT SHOP GRAPHICS LIBRARY 3 Graphics for business, international symbols, mythology, fantasy, and a zoo of animals	*BRODERBUND*	AP,CO	CA,GG	- - - - - D	P E M S T	**24.95**
STICKYBEAR DRAWING Create freehand pictures, make line and geometric patterns	*OPTIMUM RES*	AP	CA,GG	- - - - - D	P - - - -	**39.95**
SUPERPAINT Graphics program combines draw and paint functions	*SILICON BEAC*	MC	CA,GG	- - - - - -	- E M S T	**149.00**
SUPERPRINT Graphics package features very large posters	*SCHOLASTIC*	AP	CA,GG	- - - - - -	P E - - T	**59.95**
TAKE 1: ANIMATION GRAPHICS Accepts previously created graphics into a slide show for presentation	*BAUDVILLE*	AP,CO	CA,GG	- - - - - -	- E M S T	**59.95**
TOP DRAW Graphics development tool for creating structured graphics and drawings in color on the IIGS	*STYLEWARE*	AP	CA,GG	- - - - - -	P E M S T	**99.95**
TOY SHOP Twenty mechanical models to customize and print	*BRODERBUND*	AP,CO,IB,MC	CA,GG	- - - - - -	- E M S T	**49.95**
VIDEOWORKS II Draw and animate objects; full editing by frames (includes brief, stylized nude sequence)	*BRODERBUND*	MC	CA,GG	- - - - - E	- E M S T	**60.00**

BUSINESS EDUCATION - ACCOUNTING/BOOKKEEPING

AUTOMATED ACCOUNTING Complete package for high school accounting instruction	*SW PUB*	AP,CO,IB,TR	SI,TU	- - - - - - - - - - - S -		**64.50**
INTEGRATED ACCOUNTING General-purpose accounting package with student guide and exercises	*BEDFORD SOFT*	IB,MC	DE,SI,TU	- - - - - - - - - - - S -		**349.00**

BUSINESS EDUCATION - ECONOMICS

ELECTRONIC MONEY Practice in recognizing specific uses of electronic money transactions in business	*MECC*	AP,CO,IB	DP,SI,TU	- D - - - -	- E M - -	**36.00**
MARKET PLACE, THE Economic simulations include selling apples, plants, lemonade, and bicycles	*MECC*	AP,CO,IB,TC	EG, SI	- E - - - -	- E M - -	**39.00**
WHATSIT CORPORATION Use math skills to make group decisions to operate competitive businesses	*SUNBURST*	AP,CO,TR	DP,EG,PS,SI	- - - D - -	- E M S -	**59.00**

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE

BUSINESS EDUCATION - TYPING

see also KEYBOARDING *section*

ALPHABETIC KEYBOARDING Beginning through intermediate exercises to introduce keyboard; drills and timed drills	*SW PUB*	AP,IB,TR	DP,TU	- - - - - -	- - M S -	**89.50**
TYPING TUTOR IV Instruction on finger placement; drills for speed and accuracy	*SIMON & SCHU*	AP,CO,IB	DP	- - - - - -	- - M S -	**49.95**

COMPUTERS

ALL SORTS OF MEGGLES Practice decision-making skills; testing and record keeping; requires Ufonic system	*ED TECH*	AP	DP,PS	- - D - - -	P E - - -	**75.00**
APPLE LOGO II Programming language	*APPLE*	AP	CP,PS	- - - - - -	P E M S T	**150.00**
BASICS OF BASIC Twelve modules in BASIC program writing use hi-res graphics and sound; examples and quizzes	*FOCUS*	AP,IB,TA	CP	- - - - - -	- - - S -	**85.00**
COMMODORE LOGO Full graphic implementation of Logo, with sprites	*COMMODORE*	CO	CP,PS	- - - - - -	P E M S T	**59.95**
CREATE-A-BASE Designed for middle school; includes planning sheets to provide data base experiences	*MECC*	AP	CP,DB,DP	- - - - - -	- E M S T	**35.00**
DATAQUEST: COMPOSER Tool for creating DATAQUEST programs	*MECC*	AP	AU,DB,IT	- - - - - -	- E M S T	**55.00**
DATAQUEST: SAMPLER Teaches the use of a data base	*MECC*	AP	DB,SI	- - - - - -	- E M S -	**55.00**
EZ LOGO Introduces a subset of Logo commands; separate Logo not required	*MECC*	AP	CP,PS,TU	- - - - - -	P E - - -	**49.00**
FOR YOUR NEXT ADVENTURE Adventure game format for practicing FOR-NEXT loops in BASIC	*SUNBURST*	AP	EG,SI	- - - - - -	- E M S -	**59.00**
FRIENDLY COMPUTER, THE Sequence of five graded programs to introduce the computer and keyboard	*MECC*	AP,CO	PS,TU	- - - - - -	P - - - -	**49.00**
FRIENDLY FILER Designed-for-education data base; includes instructional materials	*GROLIER*	AP,IB	DB,PS	- - - - E -	- E M S -	**49.95**
GPLE: GLOBAL PROGRAM LINE EDITOR Full-featured editor for use in writing computer programs	*BEAGLE BRO*	AP	CP	- - - - - -	- E M S T	**49.95**
HOMETOWN: LOCAL AREA STUDY Students analyze demographic data relating to their own local information	*ACTIVE LEARN*	AP,IB,CO	DB,PS,SI	- D - - - -	- - M S -	**148.00**
IBM LOGO Full implementation of LCSI Logo	*IBM*	IB	CP,PS	- - - - - -	P E M S T	**175.00**

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
KAREL THE ROBOT Provides an interactive environment for exploring a limited set of Pascal processes	*WILEY*	AP,IB,JR	CP,PS	- - - - - -	- - M S -	250.00
KRELL LOGO Version of M.I.T. Logo	*KRELL*	AP	CP,PS	- - - - - -	P E M S T	89.95
LEARNING THROUGH LOGO Beginning Logo commands and procedures; activity cards; requires Apple Logo	*SUNBURST*	AP	CP,PS	- - - - - -	P E M S -	55.00
LOGOWORKS Logo activities to support the use of Terrapin Logo as a problem-solving tool	*TERRAPIN*	AP,CO	CP,PS	- - - - - -	P E M S -	29.95
LOGOWRITER Integrates word processing with a version of the Logo programming language	*LCSI*	AP,IB,JR	CP,GG,WP	- - - E - -	P E M S T	450.00
SCHOLASTIC'S PFS: FILE AND REPORT Data base program with application files for students	*SCHOLASTIC*	AP,IB	DB	- - - - - -	- - M S T	99.95
SPECTRUM: PATTERNS AND PROGRAMS Logic game using hidden pattern of colored bars; introduces fundamental programming skills	*SUNBURST*	AP	EG,PS	- - - D - -	- - M S -	55.00
STUFF AND FETCH Use built-in word processor to put information into the data base and retrieve it	*MECC*	AP	DB,PS,WP	- - - - - -	- E M S -	45.00
SURVEY TAKER Allows development of 50-question survey to be completed on-line; results may be graphed	*SCHOLASTIC*	AP	DB,SH,SI	- D - - - -	- E M S T	29.95
TERRAPIN LOGO Version of M.I.T. Logo	*TERRAPIN*	AP	CP,PS	- - - - - -	P E M S T	99.95
TRIVIA MACHINE Trivia game for developing data base thinking skills and keyword searching skills	*MECC*	AP	DB,EG,PS,SI	- - - - - -	- E M S -	49.00
TURBO PASCAL Inexpensive Pascal implementation; executes very rapidly	*BORLAND*	AP,IB	CP,PS	- - - - - -	- - M S T	49.95
TURBO PASCAL MAC Pascal language for the Macintosh	*BORLAND*	MC	CP,PS	- - - - - -	- - M S T	39.95
TURTLE TRACKS Use simple keyboard commands to create shapes and music	*SCHOLASTIC*	AP,AI,CO,IB	CA,GG,PS	- - - - - -	P E - - -	59.95
VOYAGE MIMI: INTRO TO COMPUTING Explores programming and geometric concepts	*HOLT R&W*	AP	EG,PS,SI,TU	- - - E - -	- E M - -	122.25

ELECTRONIC PERIODICALS

MICROZINE SUBSCRIPTION Five disks per year; four programs per disk; new Twistaplot and utility on each disk	*SCHOLASTIC*	AP	CA,EG,IT,SI	- - D - - -	- E M S -	169.00
NEWSQUEST Weekly disk covering current events; available with TIME magazine subscription	*TIME*	AP,IB	DP,IT	- - - - - -	- - M S -	89.95

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE

HEALTH

ALCOHOL "THE PARTY" *MARSHWARE* AP SI,TU - - - - - - - - M S - **49.95**
Reaction time is displayed as program simulates varying quantities of alcohol consumption

BODY ELECTRIC *HRM SOFTWR* AP,CO,IB,TR IF - - - - - - - - - S - **450.00**
Use an interface card and electrodes to measure electrical activity from four areas of the body

HEALTH AWARENESS GAMES *HRM SOFTWR* AP,CO,IB,JR,TR DE,EG,SI - - - - D - - - M S - **99.00**
Displays risk factors and longevity for a variety of behaviors

HEART ABNORMALITIES AND EKGs *FOCUS* AP DE,TU - - - - - - - - M S - **75.00**
Demonstrate normal and abnormal EKG'S and heart abnormalities caused by different conditions

LEARNING TO COPE WITH PRESSURE *SUNBURST* AP DE,IF - - - - D - P E M S T **99.99**
Uses biofeedback galvanic skin responses to help users to reduce stress

NOW HEAR THIS *MARSHWARE* AP TU - - - - - - - P E - - - **41.95**
Reinforces fundamentals of hearing; covers major parts of the ear, its self-protection abilities, and sign language

SMOKING DECISION *SUNBURST* AP SI - - - - - - - - M S - **65.00**
Helps students to make decisions concerning cigarette use

YOU ARE WHAT YOU EAT *MARSHWARE* AP DE,SI - - - - - - - - E M S - **39.95**
Analyzes nutritional value of a student's selection of food for one day; generates printout

INSTRUCTIONAL TOOLS - AUTHORING SYSTEM

ELECTRIC POET *IBM* IB AU,CA - - - - - - - - E M S T **75.00**
Authoring system with color, graphics, animation, and print capabilities; electronic presentation

HYPERCARD *APPLE* MC AU,DB,GG - - - - - - E - E M S T **49.00**
Multi-media authoring and data base program

INSTRUCTIONAL TOOLS - CLASSROOM MANAGEMENT

CSL MARKS *CHANCERY SOF* AP,MC IM - - - - - - - - - - - T **98.00**
Complete teacher grade book program

INSTRUCTIONAL TOOLS - DATA BASE

APPLEWORKS *CLARIS* AP DB,SD,WP - - E - - - - - M S T **175.00**
Integrated word processor, spreadsheet, data base

BANK STREET FILER *BRODERBUND* AP,CO DB - - - - - - - - E M S T **69.95**
Data base with applications in a variety of subject areas

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BANK STREET SCHOOL FILER Data base program with application files for students	*SUNBURST*	AP,CO	DB	- - - - - -	- E M S T	**99.00**
CREATE-A-BASE Designed for middle school; includes planning sheets to provide data base experiences	*MECC*	AP	CP,DB,DP	- - - - - -	- E M - -	**35.00**
DATAQUEST: COMPOSER Allows creation of additional MECC DATAQUEST diskettes	*MECC*	AP	AU,DB,IT	- - - - - -	- - - S T	**55.00**
DBASE Full-function data base program	*ASHTON TATE*	IB,MC	DB	- - - - - -	- - - S T	**695.00**
FILEMAKER Full-function data base program	*NASHOBA*	MC	DB	- - - - - -	- - - S T	**295.00**
FRIENDLY FILER Designed-for-education data base; includes instructional materials	*GROLIER*	AP,IB	DB,PS	- - - - E -	- E M S T	**59.95**
HYPERCARD Multi-media authoring and data base program	*APPLE*	MC	AU,DB,GG	- - - - - E	- E M S T	**49.00**
LOTUS 1-2-3 Integrated spreadsheet, data base, and word processor	*LOTUS*	IB	DB,SD,WP	- - - - - -	- - - S T	**495.00**
MASTERTYPE'S FILER Data base program with application files for students	*MINDSCAPE*	AP,CO,IB	DB	- - - - - -	- E M S T	**39.95**
MICROSOFT WORKS Integrated program includes word processor, data base, spreadsheet, and telecommunications	*MICROSOFT*	IB,MC	DB,SD,TC,WP	- - - - - -	- - - S T	**295.00**
SCHOLASTIC'S PFS: FILE AND REPORT Data base program with application files for students	*SCHOLASTIC*	AP,IB	DB	- - - - - -	- - M S T	**99.95**
SURVEY TAKER Allows development of 50-question survey to be completed on-line; results may be graphed	*SCHOLASTIC*	AP	DB,SH,SI	- D - - - -	- E M S T	**29.95**

INSTRUCTIONAL TOOLS - GRAPHICS GENERATOR

AWARD MAKER PLUS Create certificates with personalized messages	*BAUDVILLE*	AP,IB,MC	GG	- - - - - -	P E M S T	**39.95**
BLAZING PADDLES Tool for creating computer art; includes graphics library	*BAUDVILLE*	AP,CO	CA,GG	- - - - - D	- E M S T	**55.00**
CALENDAR CRAFTER Tool for designing custom calendars that include short notes and small graphics	*MECC*	AP	CA,GG	- - - - - -	- - M S T	**59.00**
CLIP ART COLLECTION V.1 Collection of graphics for NEWSROOM	*SPRINGBOARD*	AP,CO,IB	GG,IM	- - - - - -	- - M S T	**29.95**
CLIP ART COLLECTION V.2 Collection of graphics for NEWSROOM	*SPRINGBOARD*	AP,CO,IB	GG,IM	- - - - - -	- - M S T	**39.95**

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
COLOR ME: COMPUTER COLORING KIT Draw freehand, or color and cut-and-paste predrawn pictures	*MINDSCAPE*	AP	CA,GG	- - - - - -	P E - - T	**29.95**
CREATE WITH GARFIELD Create cartoons with Garfield characters; can be printed	*DLM*	CO	CA,GG	- - - - - -	P E M - -	**29.95**
CRICKET DRAW Full-featured graphics tool with many advanced features	*CRICKET SW*	MC	CA,GG,IM	- - - - - -	- - M S T	**295.00**
CRICKET GRAPH Full-featured package to produce graphs and charts	*CRICKET SW*	MC	GG,IM	- - - - - -	- - M S T	**195.00**
DELTA DRAWING Create colored designs by using simple commands	*SPINNAKER*	AP,AT,CO,IB	CA,CP,PS	- - D E - -	P E M - -	**49.95**
EASY GRAPH Produce pictographs, pie charts, and bar graphs; includes instructional materials	*GROLIER*	AP,CO,IB,JR	GG,TU	- D - - E -	- E M S T	**49.95**
FANTAVISION "Tweening" creates up to 64 animated sequences for each picture drawn by user	*BRODERBUND*	AP	CA,GG	- - - - - E	- - M S T	**59.95**
GRAPHICWORKS Desktop publishing tool; comes with clip art collection	*MINDSCAPE*	MC	GG	- - - - - -	- - M - -	**149.95**
HYPERCARD Multi-media authoring and data base program	*APPLE*	MC	AU,DB,GG	- - - - - E	- E M S T	**49.00**
KOALAPAINTER Graphics used with nursery rhymes; requires Koalapad	*PTI-KOALA*	AP,AT,CO,JR	CA,GG	- - - - - E	P E M - T	**29.95**
MAC ART DEPARTMENT General-purpose graphics development tool	*SIMON & SCHU*	MC	CA,GG	- - - - - -	- - - S T	**39.95**
MACPAINT General-purpose graphics development tool	*CLARIS*	MC	CA,GG	- - - - - E	- E M S T	**125.00**
MECC GRAPH Generate line, pie, or bar graphs based on student input	*MECC*	AP	GG	- - - - - -	- - M S -	**49.00**
MECC GRAPHING PRIMER Teaches analysis of bar, line, and pie graphs	*MECC*	AP	GG,PS,TU	- - - - - -	- E M - T	**45.00**
MOUSE PAINT Graphics generation program; includes mouse	*CLARIS*	AP	CA,GG	- - - - - -	P E M - T	**100.00**
PAINTWORKS PLUS Color graphics program with animation capabilities	*MEDIAGENIC*	AP	CA,GG	- - - - - E	P E M S T	**79.95**
PFS: GRAPH Generate pie, bar, and line charts from user-entered data or from PFS: FILE data	*SCHOLASTIC*	AP,IB	GG	- D - - - -	- - M S T	**134.95**
PRINCIPAL'S ASSISTANT Generates awards, blackline masters, certificates, signs, and posters	*MINDSCAPE*	AP	GG	- - - - - -	- - M S T	**59.95**

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
PRINT MAGIC	*EPYX*	AP,IB	GG	- - - - - -	P E M S T	59.95
Create greeting cards, flyers, banners, and certificates; customize using the drawing package						
PRINT SHOP	*BRODERBUND*	AP,AI,CO,IB	CA,GG	- - - - - -	P E M S T	49.95
Create signs, posters, greeting cards, and banners; many choices of graphics and fonts						
PRINT SHOP GRAPHICS IIGS LIBRARY	*BRODERBUND*	AP	CA,GG	- - - - - -	P E M S T	34.95
Graphics for business, international symobols, mythology, fantasy, and a zoo of animals						
PROFESSIONAL SIGN MAKER	*SUNBURST*	AP	GG,IM	- - - - - -	- - - S T	65.00
Produce letters for signs, overhead transparences, etc.						
READY, SET, GO	*LETRASET USA*	MC	GG,IM	- - - - - -	- - - S T	495.00
Full-featured page layout and desktop publishing tool						
SUPERPAINT	*SILICON BEAC*	MC	CA,GG	- - - - - -	- E M S T	149.95
Full-featured graphics program that combines draw and paint functions						
SUPERPRINT	*SCHOLASTIC*	AP	CA,GG	- - - - - -	- - M S T	59.95
Generate posters up to five feet long from available graphics packs						
TAKE 1: ANIMATION GRAPHICS	*BAUDVILLE*	AP,CO	CA,GG	- - - - - -	- E M S T	59.95
Accepts previously created graphics into a slide show for presentation						
TOP DRAW	*STYLEWARE*	AP	CA,GG	- - - - - -	- - M S T	99.95
Development tool to create structured graphics and drawings in color on the IIGS						
TURTLE TRACKS	*SCHOLASTIC*	AP,AI,CO,IB	CA,GG,PS	- - - - - -	P E - - -	59.95
Use simple keyboard commands to create shapes and music						
VIDEOWORKS II	*BRODERBUND*	MC	CA,GG	- - - - - E	- E M S T	60.00
Draw and animate objects; full editing by frames (includes brief, stylized nude sequence)						
WALT DISNEY COMIC STRIP MAKER	*SUNBURST*	AP	CA,GG	- - - - - -	- E M S -	75.00
Graphics generating program allows students to create comics using Disney characters						

INSTRUCTIONAL TOOLS - INSTRUCTIONAL MATERIALS GENERATOR

ARBPLOT	*CONDUIT*	AP	DE,IU	- - - - - -	- - - S -	125.00
Demo of curve plotting, limits and derivatives, integration, sequences, series, and finding of roots						
BANK STREET MUSICWRITER	*MINDSCAPE*	AI,CO,IB	CA,IM	- - - - - -	P E M S -	49.95
Create music and print the score						
CERTIFICATE MAKER	*SPRINGBOARD*	AP,AI,CO,IB,MC	GG,IM	- - - - - -	P E M S T	39.95
Design and print professional-looking certificates						
CLIP ART COLLECTION V.1	*SPRINGBOARD*	AP,CO,IB	GG,IM	- - - - - -	- E M S T	29.95
Collection of graphics for NEWSROOM						
CLIP ART COLLECTION V.2	*SPRINGBOARD*	AP,CO,IB	GG,IM	- - - - - -	- E M S T	39.95
Collection of graphics for NEWSROOM						

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CRICKET DRAW Full-featured graphics tool with many advanced features	*CRICKET SW*	MC	CA,GG,IM	- - - - - -	- - M S T	**295.00**
CRICKET GRAPH Full-featured package to produce graphs and charts	*CRICKET SW*	MC	GG,IM	- - - - - -	- - M S T	**195.00**
CROSSWORD MAGIC Generate crossword puzzles from user's words; play on-screen or print puzzles	*MINDSCAPE*	AP,AT,CO,IB	DP,EG,IM,SH	D - D - - -	- E M S T	**49.95**
NEWSROOM Desktop publishing program for production of flyers and newsletters	*SPRINGBOARD*	AP,CO,IB	CA,GG,IM,WP	- - - - - D	- E M S T	**59.95**
NEWSROOM PRO Desktop publishing program for production of flyers and newsletters	*SPRINGBOARD*	IB	IM	- - - - - -	- - M S T	**129.95**
PAGEMAKER Full-function desktop publishing system allows user to fully format individual pages	*ALDUS*	IB,MC	GG,IM	- - - - - E	- - M S T	**495.00**
PC STORYBOARD Graphics presentation program with animation and special effects	*IBM*	IB	GG,IM	- - - - - -	- E M S T	**350.00**
POWER POINT Graphics program for designing presentation screens or overhead transparencies	*MICROSOFT*	MC	GG,IM	- - - - - -	- - - S T	**395.00**
PROFESSIONAL SIGN MAKER Produce letters for signs, overhead transparences, etc.	*SUNBURST*	AP	GG,IM	- - - - - -	- - - S T	**65.00**
PUZZLE MASTER Create jigsaw puzzles from clip art or create your own pictures	*SHENANDOAH*	TR	EG,GG,IM,SH	- - - - - -	- E M - T	**89.00**
PUZZLES AND POSTERS Design and print word searches, crossword puzzles, mazes, and posters	*MECC*	AP,CO,IB,TR	EG,GG,IM,SH	- - D - - -	P E M S T	**59.00**
QUICKFLASH Prepare on-line flashcards for any subject	*MECC*	AP	IM	- - - - - -	P E M S T	**55.00**
TIMELINER Produces printed chronology of historical events, students' lives, etc.	*TOM SNYDER*	AP	IM	- E - - - -	- E M S T	**59.95**

INSTRUCTIONAL TOOLS - SPELLING CHECKER

MECC SPELLER Spelling checker for MECC WRITER	*MECC*	AP	SK	- - D - - -	- E M S T	**45.00**

INSTRUCTIONAL TOOLS - SPREADSHEET

APPLEWORKS Integrated word processor, spreadsheet, data base	*CLARIS*	AP	DB,SD,WP	- - E - - -	- - M S T	**175.00**

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EDUCALC Designed-for-education spreadsheet; includes tutorial and instructional materials	*GROLIER*	AP,CO,IB,JR	PS,SD,TU	- - - D - -	- E M S -	**59.95**
EXCEL Full-function spreadsheet with graphics	*MICROSOFT*	MC	SD	- - - - - -	- - - - T	**395.00**
LOTUS 1-2-3 Integrated spreadsheet, data base, and word processor	*LOTUS*	IB	DB,SD,WP	- - - - - -	- - - S T	**495.00**
MICROSOFT WORKS Integrated program includes word processor, data base, spreadsheet, and telecommunications	*MICROSOFT*	IB,MC	DB,SD,TC,WP	- - - - - -	- - - S T	**295.00**

INSTRUCTIONAL TOOLS - STUDENT STUDY AID

A-PLUS: THE HOMEWORK SOLUTION Integrated scheduler, data base, and word processor as an individual study tool	*SAVTEK CORP*	IB	DB,IM,WP	- - - - - -	- - M S -	**85.95**
HOMEWORKER Integrated textwriter, outliner, flash-card-maker, calculator, calendar, and gradekeeper	*DAVIDSON*	AP,IB	DB,IM,WP	- - - - - -	- - M S -	**89.95**

INSTRUCTIONAL TOOLS - TELECOMMUNICATIONS

ELECTRONIC MAILBAG Simulated electronic mail system; includes instructional materials	*EXSYM*	AP	SI,TC	- - - - - -	- E M S -	**49.95**
ELECTRONIC VILLAGE Introduces telecommunications concepts and provides practice before going on-line	*EXSYM*	AP	SI,TC,TU	- - - - - -	- E M S -	**75.95**
INFORMATION CONNECTION Demonstrates use of on-line data bases; includes communications software	*GROLIER*	AP,CO,IB	DB,SI,TC,TU	- - - - - -	- E M S T	**69.95**
MACTERMINAL Full-function communications program	*CLARIS*	MC	TC	- - - - - -	- - - S T	**40.00**
MICROSOFT WORKS Integrated program includes word processor, data base, spreadsheet, and telecommunications	*MICROSOFT*	IB,MC	DB,SD,TC,WP	- - - - - -	- - - S T	**295.00**
RED RYDER Full-function communications package	*FREESOFT*	MC	TC	- - - - - -	- - - S T	**40.00**
SMARTCOM II Full-function communications package	*HAYES*	AP,IB,MC	TC	- - - - - -	- - M S T	**149.00**

INSTRUCTIONAL TOOLS - WORD PROCESSOR

APPLEWORKS Integrated word processor, spreadsheet, data base	*CLARIS*	AP	DB,SD,WP	- - E - - -	- - M S T	**175.00**

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BANK STREET STORYBOOK Users write, illustrate, and print a story or short book	*MINDSCAPE*	AP,CO,IB	CA,WP	- - - - - -	- E M - -	**39.95**
BANK STREET WRITER III New version of BSW with thesaurus and spell checker; includes instructional materials	*SCHOLASTIC*	AP,IB	SK,WP	- - - - - -	- E M S T	**79.95**
BANK STREET WRITER PLUS New version of BSW with thesaurus and spell checker; includes instructional support materials	*BRODERBUND*	AP,IB	SK,WP	- - - - - -	- E M S T	**79.95**
CALLIOPE Idea processor with word processing capabilities	*INNOVISION*	AP,MC	IT,PS,WP	- - - - - -	- - M S T	**59.95**
FIRST CHOICE Integrated word processor, spreadsheet, data base package	*MEIZNER*	IB	WP	- - - - - -	- - - S T	**131.12**
FIRST DRAFT Planning, outlining, and writing tool; can be used with ProDOS-based word processors	*SCHOLASTIC*	AP	CA,WP	- - - - - -	- - M S T	**69.95**
FREDWRITER Designed-for-education word processor with prompted writing capabilities	*SOFTSWAP*	AP	CA,WP	- - D - - -	- E M S T	**40.00**
GHOST WRITER Writing analysis tool to encourage students to improve their composition skills	*MECC*	AP	SK,TU,WP	- - - - - -	- - M S -	**90.00**
II WRITE Full-function word processor with Mac-like features	*RANDOM*	AP	WP	- - - - - -	- - M S T	**89.95**
LOTUS 1-2-3 Integrated spreadsheet, data base, and word processor	*LOTUS*	IB	DB,SD,WP	- - - - - -	- - - S T	**495.00**
MAC PROOF Writing analysis tool for style and usage aspects of writing	*A.L.P.S.*	MC	WP	- - - - - -	- - M S T	**195.00**
MACWRITE Full-function word processor	*CLARIS*	MC	WP	- - E - - -	- E M S T	**125.00**
MAGIC SLATE Designed-for-education word processor with 20, 40, or 80 columns; inc. instructional materials	*SUNBURST*	AP	WP	- - E - - -	P E M S T	**89.95**
MECC WRITER Designed-for-education word processor; includes instructional materials	*MECC*	AP	WP	- - D - - -	- E M S T	**49.00**
MICROSOFT WORD Full-function word processor	*MICROSOFT*	IB,MC	WP	- - - - - -	- - - S T	**395.00**
MICROSOFT WORKS Integrated program includes word processor, data base, spreadsheet, and telecommunications	*MICROSOFT*	IB,MC	DB,SD,TC,WP	- - - - - -	- - - S T	**295.00**
MILLIKEN WORD PROCESSOR Designed-for-education word processor; inc. instructional materials (THE WRITING WORKSHOP)	*MILLIKEN*	AP	WP	- - D - - -	P E M S T	**69.95**
MORE Outlining program capable of displaying a tree structure	*LIV TEXT*	MC	WP	- - - - - -	- - - S T	**299.00**

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MULTISCRIBE Full-function word processor with Mac-like features	*SCHOLASTIC*	AP	WP	- - - - - -	- E M S T	**99.95**
MULTISCRIBE GS Full-function word processor with Mac-like features	*SCHOLASTIC*	AP	WP	- - - - - -	- E M S T	**99.95**
PFS: WRITE Full-function word processor; includes instructional materials	*SCHOLASTIC*	AP,IB	WP	- - D - - -	- - M S T	**99.95**
SENSIBLE GRAMMAR Writing analysis package	*SENSIBLE*	AP	TU,WP	- - - - - -	- - M S T	**99.95**
WORD PERFECT Full-function word processor	*WORD PERFECT*	AP,IB,MC	WP	- - - - - -	- E M S T	**495.00**
WRITING WORKSHOP, THE Complete program with support materials; prewriting, word processor, and post-writing	*MILLIKEN*	AP	TU,WP	- - D - - -	- E M S T	**450.00**

KEYBOARDING

see also BUSINESS EDUCATION - TYPING *section*

ALPHABETIC KEYBOARDING Beginning through intermediate exercises to introduce keyboard; drills and timed drills	*SW PUB*	AP,IB,TR	DP,TU	- - - - - -	- - M S -	**89.50**
KEYBOARD CADET Introduces proper fingering for touch typing on Dvorak or QWERTY keyboard	*MINDSCAPE*	AP	DP,TU	- - - - - -	P E - - -	**39.95**
KEYBOARDING MASTER Drills to emphasize development of speed and accuracy	*MECC*	AP	DP	- - - - - -	- E M S -	**55.00**
KEYBOARDING PRIMER Eighteen lessons to introduce the keyboard and help with correct fingering techniques	*MECC*	AP	DP,TU	- - - - - -	- E M S -	**55.00**
MASTERTYPE Multiple levels of keyboarding practice for individualized skill development; editing option	*MINDSCAPE*	AT,CO,IB	DP,EG,TU	- - D - - -	- E M S -	**39.95**
MICROTYPE: WONDERFUL WORLD OF PAWS Graphic instruction and practice in touch typing	*SW PUB*	AP,CO	DP,TU	- - E - - -	- E M - -	**39.95**
STICKYBEAR TYPING Instruction and practice in keyboarding skills; stores student progress on disk	*OPTIMUM RES*	AP	DP,TU	- - D - - -	P E - - -	**39.95**
SUCCESS WITH TYPING Complete touch typing and keyboarding instruction in twenty lessons	*SCHOLASTIC*	AP	DP,TU	- - - - - -	- E M S -	**69.95**
TYPE TO LEARN Language-based approach to keyboarding; practice in spelling and composition	*SUNBURST*	AP	DP,TU	- - - - - -	- E M - -	**69.95**
TYPE! Features performance graphs, customized exercises, and game	*BRODERBUND*	AP,CO,IB	DP,TU	- - D - - -	- - M S -	**44.95**

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TYPING TUTOR IV Instruction on finger placement; drills for speed and accuracy	*SIMON & SCHU*	AP,CO,IB,MC	DP,TU	- - - - - -	- - M S -	**49.95**

LANGUAGE ARTS

see also INSTRUCTIONAL TOOLS - INSTRUCTIONAL MATERIALS GENERATOR *section*

see also INSTRUCTIONAL TOOLS - SPELLING CHECKER *section*

see also INSTRUCTIONAL TOOLS - WORD PROCESSOR *section*

ACE REPORTER Students gather information and make notes	*MINDPLAY*	AP	EG,SI	- - - - - -	P E - - -	**49.99**
ADVENTURE CONSTRUCTION SET Users write and illustrate their own adventure games	*ELECTR ART*	AP,CO,IB	CA	- - - - - -	- E M S -	**49.95**
ALICE IN WONDERLAND A series of adventures to stimulate and develop problem-solving and writing skills	*HRM SOFTWR*	AP	CA,EG	- - - - - -	P E - - -	**39.95**
AUTHOR! AUTHOR! A playwriting, drama, and creative writing program	*MINDPLAY*	AP	CA	- - - - - -	P E M S -	**59.99**
BANK STREET WRITER III New version of BSW with thesaurus and spell checker; includes instructional materials	*SCHOLASTIC*	AP,IB	SK,WP	- - - - - -	- E M S T	**79.95**
BE A WRITER! Lessons to use with MAGIC SLATE II; descriptive, narrative, and explanatory writing	*SUNBURST*	AP	CA	- - - - - -	P - - - -	**59.00**
CHARIOTS, COUGARS, AND KINGS Practice with comprehension skills, detail, and sequence; record keeping; editing option	*HARTLEY*	AP	DP,SH,TE	- - D - - -	P E - - -	**39.95**
COMPARISON KITCHEN Six games reinforce pre-reading and math skills of visual perception and discrimination	*DLM*	AP	DP,EG	- - - - - -	P - - - -	**29.95**
COMPUTER CROSSROADS Create adventures, make decisions, and practice reading comprehension skills	*ED'L ACTV*	AP	DP,PS	- - D - - -	- E - - -	**99.95**
CREATE WITH GARFIELD Create cartoons with Garfield characters; can be printed	*DLM*	CO	CA,GG	- - - - - -	- E M - -	**29.95**
CROSSWORD MAGIC Generate crossword puzzles from user's words; play on-screen or print puzzles	*MINDSCAPE*	AP,AT,CO,IB	DP,EG,IM,SH	D - D - - -	- E M S T	**49.95**
ELECTRIC WRITING A variety of writing activities for use with BSW, APPLEWORKS, and other word processors	*CREATIVE PUB*	AP	CA,WP	- - - - - -	- E M - -	**26.95**
ENGLISH ACHIEVEMENT I-V Practice preparing for portions of the CEEB English composition achievement test	*MINDSCAPE*	AP,CO,IB,JR,PE	DP,TU	- - D - - -	- - - S -	**199.75★**
EXPLORE-A-STORY SERIES Read and rearrange stories or create new stories; includes graphics	*DC HEATH*	AP	PS,TU	- - D - - -	P E - - -	**720.00★**

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
FAYS WORD RALLY	*DIDATECH*	AP,CO	EG	- - D - - -	P - - - -	49.95
Reinforces sight words, sentence comprehension, vocabulary, and reasoning skills; management						
FIRST DRAFT	*SCHOLASTIC*	AP	CA,WP	- - - - - -	P E M S -	69.95
Planning, outlining, and writing tool; can be used with ProDOS-based word processors						
FIRST-LETTER FUN	*MECC*	AP	DP,EG	- - - - - -	P - - - -	55.00
Practice letters with beginning sounds of words corresponding to pictures in the story						
FREDWRITER	*SOFTSWAP*	AP	CA,WP	- - D - - -	- E M S T	40.00
A word processor with a tutorial and prompted writing activities						
FUN FROM A TO Z	*MECC*	AP	CA,EG	- - - - - -	P - - - -	55.00
Letter discrimination, match uppercase and lowercase letters, and create pictures						
GETTING READY TO READ AND ADD	*SUNBURST*	AP,AT,CO,IB,JR	DP,EG	- - D - - -	P - - - -	59.00
Drill in letter, number, and shape recognition						
GHOST WRITER	*MECC*	AP	SK,TU,WP	- - - - - -	- - - S T	90.00
Writing analysis tool to encourage students to improve their composition skills						
GRAMMAR GREMLINS	*DAVIDSON*	AP,IB	DP,EG	- - - - - -	- E M S -	49.95
Comprehesive grammar program with rules and a variety of reinforcing activities; editing option						
HINKY PINKY GAME	*MINDSCAPE*	AP	EG	- - D - - -	P E M S -	39.95
Guess rhyming words from hints and definitions; three levels; editing option						
I CAN WRITE!	*SUNBURST*	AP	CA,WP	- - - - - -	P - - - -	59.00
Twenty-five lessons for use with 20-column MAGIC SLATE						
JACK AND THE BEANSTALK	*HRM SOFTWR*	AP	EG,PS	- - D - - -	P E M - -	39.95
Animated adventure game challenges problem-solving and reading skills						
LETTERS AND FIRST WORDS	*C & C SOFT*	AP	DP,EG	- - - - - -	P - - - -	50.00
Letter recognition skills and short words; reinforce basic language skills						
LISTEN TO LEARN	*IBM*	IB	WP	- - - - - -	- E M - -	156.00
Full-function word processor with speech capability; includes instructional support materials						
LOGOWRITER	*LCSI*	AP,IB,JR	CP,GG,WP	- - - E - -	P E M S T	450.00
Integrates word processing with a version of the Logo programming language						
M-SS-NG L-NKS: CLASSICS	*SUNBURST*	AP,AT,CO,IB,TR	EG,PS	- - D - - -	- - M S T	59.00
Reading activities to develop use of context clues; based on classic literature						
M-SS-NG L-NKS: ENGLISH EDITOR	*SUNBURST*	AP,AT,IB,JR,TR	EG,PS,SH	- - - - - -	P E M S T	69.00
Reading activities to develop use of context clues; editing option						
M-SS-NG L-NKS: MICRO ENCYCLOPEDIA	*SUNBURST*	AP,CO,IB,JR,TA	DP,EG,PS	- - - - - -	- E M - -	65.00
Reading activities to develop use of context clues; themes of "Ice Cream" or "Whales and Sharks"						
M-SS-NG L-NKS: YOUNG PEOPLE'S LIT	*SUNBURST*	AP,AT,CO,IB,TR	EG,PS	- - - - - -	- E M S T	59.00
Reading activities to develop use of context clues; based on familiar stories for young adults						

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MAGIC SLATE	*SUNBURST*	AP	WP	- - E - - -	P E M S T	**89.95**
Designed-for-education word processor with 20, 40, or 80 columns; inc. instructional materials						
MASTER SPELL	*MECC*	AP	DP,SH,TU	- - D - - -	P E M S T	**59.00**
Design word lists and lessons to fit individual needs; records misspelled words for review						
MECC WRITE START	*MECC*	AP	DP,TU,WP	- - D - - -	- - M S -	**29.00**
Activities using MECC WRITER to share ideas, experiment with words, and write stories or poems						
MUPPET WORD BOOK, THE	*SUNBURST*	AP	DP	- - D - - -	P - - - -	**65.00**
Muppet characters introduce letters, words, and simple writing skills						
MUPPETVILLE	*SUNBURST*	AP	DP	- - - D - -	P - - - -	**65.00**
Kermit explores colors, shapes, numbers, and patterns in Muppetville						
NEWBERY ADVENTURE: CHARLOTTE'S WEB	*SUNBURST*	AP	DP,EG	- - - - - -	P E - - -	**65.00**
Development of comprehension skills of main ideas, details, sequencing, and vocabulary						
NEWBERY ADVENTURE: WRINKLE IN TIME	*SUNBURST*	AP	DP,EG	- - - - - -	- E - - -	**65.00**
Development of comprehension skills of main ideas, details, sequencing, and vocabulary						
PAINT WITH WORDS	*MECC*	AP	CA,EG	- - D - - -	P - - - -	**55.00**
Develop vocabulary and create pictures; Ufonic voice system optional; can be printed						
PERPLEXING PUZZLES	*HARTLEY*	AP	EG,PS,SH	- - D - - -	- E M S -	**39.95**
Use critical reading skills to solve problems; editing option						
PHONICS PRIME TIME: BLENDS & DIGRA.	*MECC*	AP	DP	- - - - - -	P - - - -	**49.00**
Practice with identification of 34 consonant blends and digraphs						
PHONICS PRIME TIME: FINAL CONSONAN.	*MECC*	AP	DP	- - - - - -	P - - - -	**55.00**
Practice with letter identification of everyday words						
PHONICS PRIME TIME: INITIAL CONSONAN.	*MECC*	AP	DP	- - - - - -	P - - - -	**55.00**
Practice with letter and word identification						
PHONICS PRIME TIME: VOWELS I	*MECC*	AP	DP	- - - - - -	P - - - -	**49.00**
Practice with identification of twelve long and short vowel sounds in simple words						
PHONICS PRIME TIME: VOWELS II	*MECC*	AP	DP	- - - - - -	P - - - -	**49.00**
Practice with identification of 'r-controlled,' 'rule-breakers,' and common diphthongs						
PLAYWRITER'S THEATER	*ED TECH*	AP	EG,PS,SI,WP	- - E - - -	- E M - -	**98.00**
Select characters, actions, scenes, and phrases to create plays; requires Ufonic voice system						
PLAYWRITER: SERIES	*GROLIER*	AP,CO,IB	CA	- - - - - -	P E M - -	**39.95**
Use writing and graphics activities to create books						
POETRY EXPRESS	*MINDSCAPE*	AP	CA,TU	- - D - - -	P E M - -	**49.95**
Line-by-line guidance encourages students to write and print poetry; includes samples						
PUZZLER	*SUNBURST*	AP,CO,IB,JR,TC	DP,EG,PS	- - D - - -	- E M - -	**59.00**
Use reading strategies of predicting and confirming; create individual or group compositions						

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
READER RABBIT Four games with graphics to practice letter and word recognition	*TLC*	AP,CO,IB,JR	DP,EG	- - D - - -	P - - - -	39.95
READING FOR INFORMATION LV. II-IV Read charts to answer questions; reading arguments	*IBM*	IB,JR	DP,TU	- - D - - -	P E M - -	340.00*
READING FOR MEANING LV. I-IV A variety of reading comprehension activities	*IBM*	IB	PS,TU	- - D - - -	- E M - -	480.00*
READING WORKSHOP, THE Activities and problems to introduce short stories	*MINDSCAPE*	AP	DP	- - - - - -	- E M - -	425.00
SHOW TIME Make corrections in script and theater directions to create plays	*MECC*	AP	CA	- - - - - -	- - M S -	55.00
SOCMATE A series of games to teach synonyms, antonyms, and homonyms	*AGS*	AP	EG,PS	- - - - - -	P E M S -	44.95
SOUND IDEAS SERIES Teaches short and long vowels, consonants, and word attack skills	*HOUGHTON*	AP	DP,TU	- - D - - -	P - - - -	348.00*
STICKYBEAR ABC Three games present word identification, order, and matching	*OPTIMUM RES*	AP,CO	DP,EG	- - - - - -	P - - - -	39.95
STUDENT STORIES Eighteen stories use students' names to develop reading skills	*MECC*	AP	CA	- - - - - -	P - - - -	45.00
SUPER SCOOP II Pre-writing activities help students investigate and write a news story	*COMPRESS*	AP	SI	- - E - - -	- - - S -	65.00
TALKING TEXT WRITER Full-function word processor with speech capability; includes instructional support materials	*SCHOLASTIC*	AP,IB,JR	WP	- - - - - -	P E M - -	199.95
THOSE AMAZING READING MACHINES I-V Reading comprehension skills of sequencing and detail are developed with 'wacky machines'	*MECC*	AP	CA,EG,PS	- - D - - -	P E - - -	275.00*
WALLY'S WORD WORKS Parts of speech are presented within the context of sentences and paragraphs	*SUNBURST*	AP,CO	CA,EG	- - - - - -	- E M S T	75.00
WALT DISNEY COMIC STRIP MAKER Writing skills are developed through comic strips	*SUNBURST*	AP,CO	CA,EG	- - - - - -	- E M S T	75.00
WINNIE THE POOH IN 100 ACRE WOOD Read directions and maps to find objects in the woods; practice recall and inference	*SUNBURST*	AP,CO	EG,PS	- - E - - -	P E - - -	49.95
WORD HERD: LOOK LIKES Twelve sets of similar-looking words are mastered through practice in spelling, meaning, and use	*MECC*	AP	DP	- - - - - -	- - M S -	45.00
WORD HERD: SOUND ALIKES Twelve sets of homophones are mastered through definition and usage in sentences	*MECC*	AP	DP	- - - - - -	- - M S -	45.00
WORD MUNCHERS Practice skills of recognizing vowels, dipthongs, and digraphs	*MECC*	AP	DP,EG	- - - - - -	P E - - -	55.00

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
WORD WIZARDS Four graphic spelling and vocabulary activities; editing option	*MECC*	AP	DP,SH	- - D - - -	P E M - -	59.00
WORD-A-MATION Develop vocabulary skills by transforming words from the beginning and ending of a word chain	*SUNBURST*	AP	DP,EG,PS	- - - - - -	- E M S -	65.00
WORDS AT WORK: CONTRACTION ACTION Practice in identification, spelling, and meaning of more than 50 contractions	*MECC*	AP	DP	- - - - - -	P E - - -	49.00
WRITE ON! SERIES Data disks with writing activities to be used with standard word processors	*HUMANITIES*	AP	PS,TU,WP	- - - - - -	P E - - -	1955.00*
WRITER RABBIT Tool for writing skills and reading comprehension	*TLC*	AP,IB	CA,DP,EG	- - D - - -	P E - - -	54.95
WRITER'S HELPER II Guides students in creating and organizing ideas, writing, and evaluating their writing	*CONDUIT*	AP,IB,JR,MC,PS	TU,WP	- - - - - -	- - - S -	120.00
WRITING A CHARACTER SKETCH Introduces fiction and non-fiction character development by use of examples and questions	*MECC*	AP	DP,SH,TU	- - D - - E	- - - S -	49.00
WRITING A NARRATIVE Uses brainstorming, listing, and idea-organizing to develop narrative framework and point of view	*MECC*	AP	DP,TU	- - D - - -	- - M S -	49.00
WRITING AN OPINION PAPER Distinguishing between fact and opinion, and the evidence needed to support an opinion	*MECC*	AP	TU	- - - - - -	- - - S -	55.00
WRITING WORKSHOP, THE Complete program with instructional materials: prewriting, word processor, and post-writing	*MILLIKEN*	AP	TU,WP	- - D - - -	- E M S T	450.00*

LIBRARY MEDIA SKILLS

BOOK WORM Develop a data base to produce book reports	*MECC*	AP	DB	- - - - - -	- E M S -	35.00
HOW CAN I FIND IT? Uses a series of branching operations to explore library resources; book titles can be edited	*SUNBURST*	AP	DB,TU	- - - - - -	- E M - -	59.00
INFORMATION CONNECTION Demonstrates use of on-line data bases; includes communications software	*GROLIER*	AP,CO,IB	DB,TC,TU	- - - - - -	- E M S T	69.95
TRIVIA MACHINE Uses a data base game to demonstrate searching concepts and strategies	*MECC*	AP	DB,EG,PS,SI	- - - - - -	- E M S -	49.00
WHERE IN WORLD IS CARMEN SANDIEGO? Use THE WORLD ALMANAC to search the world and capture the criminal	*BRODERBUND*	AP	EG,PS,SI	- D - - - -	- E M S -	49.95

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE

MATHEMATICS - ADVANCED MATHEMATICS

ALGEBRA GRAF(X) Function grapher; graphs up to 6 sets of axes at once	*ACTIVE LEARN*	IB	DE,GG	- - - - - -	- - M S T	**118.00**
CALCULUS Introductory calculus course	*BRODERBUND*	MC	SI,TU	- - - D - -	- - - S -	**109.95**
EXPRESSIONIST Mathematical expression designer	*ALLEN BONADI*	MC	IM	- - - - - -	- - - S T	**79.00**
GRAPHICAL ANALYSIS III Plots graphs with experimental data	*VERNIER*	AP	GG,IF,PS	- - - - - -	- - - S T	**24.95**
MATHTYPE Mathematical expression designer	*DESIGN SCI*	MC	IM	- - - - - -	- - - S T	**134.10**
MICROSOFT MU-MATH Performs algebra, trig, calculus (differentiation and integration), and transcendental functions	*MICROSOFT*	AP,IB,TR	PS	- - - - - -	- - - S -	**250.00**
SEMCALC Tool to develop strategies for interpreting word problems in mathematics	*SUNBURST*	AP,AT,TR	DP,PS,TU	- - - E - -	- - M S -	**95.00**
SUPERPLOT Graphs any polynomial, trigonometric, logarithmic, or exponential function	*EDUSOFT*	AP	DE,GG	- - - - - -	- - M S T	**49.95**
TECMATH-DIFFERENTIATION Maximum/minimum problems and related rate problems; includes graphing utility	*TECH ED*	AP	GG,TU	- - - D - -	- - - S -	**60.00**
TECMATH-INTEGRATION Theory of volume of revolution problems; demostrates solutions; includes graphing utility	*TECH ED*	AP	GG,TU	- - - D - -	- - - S -	**60.00**
TRIGONOMETRY OF THE RIGHT TRIANGLE Demonstrates step-by-step solving of trignonometric word proglems	*MINDSCAPE*	AP	DP	- - - - - -	- - - S -	**39.95**

MATHEMATICS - ALGEBRA

ALGE-BLASTER! Contains 670+ problems to supplement an introductory algebra course; editing option	*DAVIDSON*	AP,CO,IB	DP,TE,TU	- - - - - -	- - M S -	**44.95**
ALGEBRA GRAF(X) Function grapher; graphs up to 6 sets of axes at once	*ACTIVE LEARN*	IB	DE,GG	- - - - - -	- - M S T	**118.00**
ALGEBRA SHOP, THE Practice pre-algebra concepts while shopping in ten different stores	*SCHOLASTIC*	AP	PS,SI	- - - D - -	- - M S -	**69.95**
ALGEBRAIC PROPOSER Experiment with and hypothesize about algebraic concepts	*TRUE BASIC*	IB	CA,DE,GG,SI	- - - D - -	- - M S -	**39.95**
CACTUSPLOT: A MATHEMATICS UTILITY Graphing utility for plotting functions in standard or parametric form	*CACTUSPLOT*	AP,IB,PS	DE,GG	- - - - - -	- - M S -	**60.00**

TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
EDUCALC	*GROLIER*	AP,CO,IB,JR	PS,SD,TU	- - - D - -	- E M S -	**59.95**
Designed-for-education spreadsheet; includes tutorial and instructional materials						
EDUCALC TEMPLATES	*GROLIER*	AP,CO,IB,JR	PS,SD	- - - - - -	- E M S -	**19.95**
Spreadsheet files for use with EDUCALC						
EQUATIONS I	*MINDSCAPE*	AP,AT,CO,IB,PE	DP,TU	- - - - - -	- - M S -	**34.95**
Practice solving equations of the form ax + b = c						
EQUATIONS II	*MINDSCAPE*	AP,CO,IB,TR	DP,TU	- - - - - -	- - - S -	**34.95**
Practice solving equations of the form ax + b = cx + d						
EXPLORING TABLES AND GRAPHS I	*OPTIMUM RES*	AP	EG,GG,TU	- E - - - -	- E M S -	**34.95**
Introduce the use of graphs; includes tool to construct graphs for a given set of data						
EXPLORING TABLES AND GRAPHS II	*OPTIMUM RES*	AP	EG,GG,TU	- D - - - -	- E M S -	**34.95**
Real-life applications of tables and graphs; picture, bar, line, and area graphs						
EXPRESSION WRITER	*HRM SOFTWR*	AP,IB	EG	- - - - - -	- E M S -	**49.95**
Create numeric expressions to achieve arithmetic or algebraic goals						
EXPRESSIONIST	*ALLEN BONADI*	MC	IM	- - - - - -	- - - S T	**79.00**
Mathematical expression designer						
FACTORING ALGEBRAIC EXPRESSIONS	*MINDSCAPE*	AP,CO,IB,TR	DP,TU	- - - D - -	- - - S -	**34.95**
Instruction and practice in factoring linear and quadratic expressions						
GRAPHING EQUATIONS	*CONDUIT*	AP	DE,EG,PS	- - - - - -	- - M S T	**60.00**
Practice in graphing linear and quadratic equations; game format						
GREEN GLOBS & GRAPHING EQUATIONS	*SUNBURST*	AP,IB	DE,EG,GG,PS	- - - E - -	- - M S T	**65.00**
Practice in graphing linear and quadratic equations; game format						
INTERPRETING GRAPHS	*SUNBURST*	AP,IB	DE,DP,EG	- - - D - -	- E M S -	**65.00**
Practice in making meaningful intrepretations of graphs of physical phenomena						
KING'S RULE, THE	*SUNBURST*	AP,CO,IB,TC,TR	EG,PS	- - - E D -	- E M S -	**59.00**
Form and test hypotheses, recognize patterns, and develop problem-solving skills						
MATH SEQUENCES, REVISED	*MILLIKEN*	AP,AT,PE,TR	DP	- - - - - -	P E M - -	**495.00★**
Number readiness and four arithmetic operations with integers, fractions, and decimals						
MATHGRAPHER	*HRM SOFTWR*	AP,CO	DE,TU	- - - - - -	- E M S -	**49.95**
Demonstrates properties of functions and graphing concepts						
MICROSOFT MU-MATH	*MICROSOFT*	AP,IB,TR	PS	- - - - - -	- - - S -	**250.00**
Performs algebra, trig, calculus (differentiation and integration), and transcendental functions						
QUATIONS	*SCHOLASTIC*	AP	DP,EG,PS	- - - D - -	- - M S -	**39.95**
Math game, based on SCRABBLE, where students build equations rather than words						
ROYAL RULES	*SUNBURST*	AP,IB	EG,PS,SH,SI	- - - D - -	- E M S -	**75.00**
Form/test hypotheses, recognize patterns, develop problem-solving skills, and design challenges						

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SEMCALC	*SUNBURST*	AP,AT,TR	DP,PS,TU	- - - E - -	- - M S -	**95.00**
Tool to develop strategies for interpreting word problems in mathematics						
SUPERPLOT	*EDUSOFT*	AP	DE,GG	- - - - - -	- - M S T	**49.95**
Graphs any polynomial, trigonometric, logarithmic, or exponential function						
TOBBS LEARNS ALGEBRA	*SUNBURST*	AP	DP,SI	- - - D - -	- - M S -	**59.00**
Practice problem solving in number relationships using a 2-by-2 grid						

MATHEMATICS - GEOMETRY/MEASUREMENT

see also INSTRUCTIONAL TOOLS - INSTRUCTIONAL MATERIALS GENERATOR *section*

BAKE AND TASTE	*MINDPLAY*	AP,IB,JR	SI	- - - - - -	P E - - -	**39.99**
Simulate the creation of baked goods and evaluate their quality						
BUILDING PERSPECTIVE	*SUNBURST*	AP,CO,IB,JR	EG,PS,SI	- - - D - -	- E M - -	**65.00**
Presents an array of buildings of various heights viewed from five different directions						
BUMBLE GAMES	*TLC*	AP,AT,CO,IB,TC	DP,EG,PS	- - - D - -	P E - - -	**54.95**
Five programs introduce number pairs to describe positions in an array and on a grid						
BUMBLE PLOT	*TLC*	AP,CO,IB,TC	DP,EG,PS	- - - D - -	- E M - -	**39.95**
Practice plotting and graphing skills on a coordinate grid (+10 to -10)						
CLOCK	*HARTLEY*	AP,IB	DP	- - - - - -	P - - - -	**39.95**
Practice telling time and converting digital time to analog time						
CLOCK WORKS	*MECC*	AP	DP	- - - - - -	P E - - -	**55.00**
Practice telling time using both analog and digital clocks						
CREATIVITY UNLIMITED	*SUNBURST*	AP	CA	- - - - - D	- - M S -	**65.00**
Develop flexible and original approaches; build, rotate, and expand objects						
CUBE BUILDER	*HRM SOFTWR*	AP	DP,EG,PS	- - - - - -	- E M S -	**49.95**
Visualize 3-D shapes; discover length, area, and volume relationships through scale changes						
ENCHANTED FOREST, THE	*SUNBURST*	AP,IB	EG,SI,TU	- - - D - -	- E M - -	**59.00**
Explore the concepts AND, OR, NOT; identify attributes of shape, color, and size						
EXPLORER METROS	*SUNBURST*	AP	DP,EG	- - - D - -	- E M S -	**59.00**
Practice estimating metric measurements						
FACTORY, THE	*SUNBURST*	AP,AT,CO,IB,TC	EG,PS,SI	- - - E - -	- E M S -	**55.00**
Practice visual discrimination, spatial perception, sequencing, and ordering skills						
FISH SCALES	*DLM*	AP	DP,EG	- - - - - -	P - - - -	**29.95**
Six games with music and graphics to practice measurement skills						
GEOMETRIC PRESUPPOSER	*SUNBURST*	AP	CA,DE,GG,SI	- - - E - -	- E M S T	**99.00**
Experiment with and hypothesize about geometric concepts						

TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
GEOMETRIC SUPPOSER: CIRCLES Investigate properties of circles by making constructions and changing scales	*SUNBURST*	AP	CA,DE,GG,SI	- - - - - -	- - M S T	**99.00**
GEOMETRIC SUPPOSER: QUADRILATERALS Experiment with and hypothesize about quadrilaterals	*SUNBURST*	AP	CA,DE,GG,SI	- - - E - -	- - M S T	**99.00**
GEOMETRIC SUPPOSER: TRIANGLES Experiment with and hypothesize about triangles	*SUNBURST*	AP	CA,DE,GG,SI	- - - E - -	- - M S T	**99.00**
GEOMETRY Manipulate geometric figures to create proofs; full-year geometry course	*BRODERBUND*	MC	DP,GG,TU	- - - D - -	- - M S -	**109.95**
GEOMETRY ALIVE! Introduces geometric concepts	*ED'L ACTV*	AP,IB,JR	TU	- - - - - -	- E M S -	**159.00**
MONEY AND TIME ADVENTURES LOLLIPOP The Lollipop dragon teaches about time and money	*SVE*	AP	DP,EG	- - - D - -	P E - - -	**79.00**
PATHFINDER Read and interpret graphs, and design routes for the ball to traverse	*SUNBURST*	AP,IB	EG,PS	- - - D - -	- - M S -	**65.00**
PLANE VIEW Analyze top and bottom perspectives to determine the path of a block	*SUNBURST*	AP,CO	PS,SI	- - - D - -	- E M S -	**65.00**
RIGHT TURN, THE Rotate and flip figures on a three-dimensional grid	*SUNBURST*	AP,CO,IB,JR	EG,PS	- - - E - -	- E M S -	**59.00**
SUPER FACTORY, THE Experiment with designs on a cube by using spatial geometry; 3-D version of THE FACTORY	*SUNBURST*	AP,CO,IB,JR,TC	CA,CP,PS,SI	- - - E - -	- E M S -	**59.00**
TEDDY'S PLAYGROUND Practice in visual discrimination and analogies	*SUNBURST*	AP	DP,EG	- - - D - -	P - - - -	**59.00**
TELLING TIME Four lessons, each with four levels, cover analog and digital clocks	*GAMCO*	AP,CO,IB,TR	DP	- - - - - -	P E - - -	**44.95**
TIME EXPLORERS Games for two players provide drill in telling time	*GAMCO*	AP,CO,TR	DP,EG	- - - - - -	P E - - -	**44.95**
USING A CALENDAR Illustrations, information, and questions about calendars, months, and holidays	*HARTLEY*	AP	DP,TU	- - - - - -	P E - - -	**49.95**
VOYAGE MIMI: MAPS AND NAVIGATION Apply mapping and navigational skills to rescue distressed whales	*HOLT R&W*	AP	EG,PS,SI,TU	- - - E - -	- E M - -	**122.25**

MATHEMATICS - NUMBER

see also INSTRUCTIONAL TOOLS - INSTRUCTIONAL MATERIALS GENERATOR *section*

ADDITION LOGICIAN Presents problems in a game format; focus on whole number addition and regrouping	*MECC*	AP	DP	- - - D - -	P - - - -	**49.00**

TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
ADDITION MAGICIAN A set of games to provide practice in problem solving	*TLC*	AP,CO,IB,TC	DP,EG,PS	- - - D - -	P E - - -	**34.95**
ADVENTURES WITH FRACTIONS Introduces two methods of dealing with fractions; game format for practice	*MECC*	AP,CO	EG,TU	- - - - - -	- E M - -	**49.00**
ARITHMETIC CRITTERS Four games: addition, subtraction, measurement, and counting from 1 to 99	*MECC*	AP	DP,EG	- - - D - -	P - - - -	**55.00**
BASIC MATH FACTS Drill on basic arithmetic facts in all four operations	*HOUGHTON*	AP	DP	- - - - - -	P E M - -	**99.00**
BOX SOLVES STORY PROBLEMS Story problems cover the basic arithmetic operations and how to select the correct operation	*SVE*	AP	DP,PS	- - - - - -	P E - - -	**99.00**
CHALLENGE MATH Calculating and estimating with whole numbers and decimals in a game format; editing option	*SUNBURST*	CO	DP,EG	- - - D - -	P E M - -	**59.00**
CIRCUS MATH Several levels of addition programs with graphics; editing option	*MECC*	AP	DP	- - - - - -	P - - - -	**49.00**
CONQUERING WHOLE NUMBERS Math practice including BAGELS and TAX COLLECTOR	*MECC*	AP	DP,EG	- - - - - -	P E - - -	**55.00**
COUNTING CRITTERS Practice basic number skills using numbers from 1 to 20	*MECC*	AP	DP	- - - D - -	P - - - -	**55.00**
DECIMAL DISCOVERY Practice in a game format; student management; work sheet generator	*DLM*	AP	DP,EG	- - - - - -	- E M - -	**46.00**
EARLY ADDITION Graphic sequences for practice in simple addition facts; editing option	*MECC*	AP,AT	DP	- - - - - -	P - - - -	**49.00**
EDUCALC Designed-for-education spreadsheet; includes tutorial and instructional materials	*GROLIER*	AP,CO,IB,JR	PS,SD,TU	- - - D - -	- E M S -	**59.95**
EDUCALC TEMPLATES Spreadsheet files for use with EDUCALC	*GROLIER*	AP,CO,IB,JR	PS,SD	- - - - - -	- E M S -	**19.95**
ELLEN NELSON MATH 1 Practice basic math facts	*DECISION*	AP,IB	DP	- - - - - -	- E M - -	**39.95**
EXPRESSION WRITER Create numeric expressions to achieve arithmetic or algebraic goals	*HRM SOFTWR*	AP,IB	EG	- - - - - -	- E M - -	**49.95**
FAST TRACK FRACTIONS Practice in a game format with student management; work sheet generator	*DLM*	AP	DP,EG	- - - - - -	- E M - -	**46.00**
FRACTION CONCEPTS, INC. Students in a fraction factory cover terminology, making a whole, and equivalency	*MECC*	AP	DP,PS	- - - - - -	P E - - -	**55.00**
FRACTION MUNCHERS Fractional numbers, equivalent fractions, and expressions; game format	*MECC*	AP	DP,EG	- - - D - -	P E M - -	**55.00**

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
FRACTION PRACTICE UNLIMITED Reducing, comparing, and renaming fractions	*MECC*	AP	DP,PS	- - - - - -	- E - - -	55.00
FRACTIONS: ADDITION & SUBTRACTION Practice in computational skills; diagnostic component	*HOUGHTON*	AP	DP,TU	- - - - - -	- E M - -	105.00
FRACTIONS: BASIC SKILLS Practice with introductory fraction skills	*HOUGHTON*	AP	DP,TU	- - - - - -	- E M - -	105.00
GAMEFRAME: ONE AND TWO Allows teachers to create activities from their own classroom curricula	*HOUGHTON*	AP	DP,EG,SH	- - - - - -	P E M - T	252.00*
GEARS Predicting results and problem-solving with gears and rotations; scientific method	*SUNBURST*	AP,IB,JR,TC	DP,EG,PS,SI	- - - D - -	- E M S -	59.00
HOW THE WEST WAS ONE + THREE x FOUR Problem-solving game using the order of operations and parenthesis	*SUNBURST*	AP	EG,PS	- - - D - -	- E M S -	65.00
KING'S RULE, THE Form and test hypotheses, recognize patterns, and develop problem-solving skills	*SUNBURST*	AP,CO,IB,TC,TR	DE,EG,PS	- - - E D -	- E M S -	59.00
MARKET PLACE, THE Economic simulations include selling apples, plants, lemonade, and bicycles	*MECC*	AP,CO,IB,TC	EG,SI	- E - - - -	- E M - -	39.00
MASTERING MATH SERIES Practice in basic math skills; diagnostic system; work sheet generator	*MECC*	AP	DP,IM,TE	- - - - - -	P E - - -	400.00*
MATH ACTIVITIES COURSEWARE LV.1-8 Series of programs in a game format to reinforce mathematics skills	*HOUGHTON*	AP	DP,EG	- - - D - -	P E M - -	1320.00*
MATH PRACTICE LV.I Practice with arithmetic operations using whole numbers, common fractions, and decimals	*IBM*	IB,JR,PS	DP	- - - D - -	P E M - -	76.00
MATH RABBIT Practice early number concepts in a series of four games	*TLC*	AP	DP,EG	- - - - - -	P - - - -	54.95
MATH SEQUENCES, REVISED Number readiness and four arithmetic operations with integers, fractions, and decimals	*MILLIKEN*	AP,AT,PE,TR	DP	- - - - - -	P E M - -	495.00*
MATH SHOP, THE Students help the proprietors with their math problems: inventory, sales, etc.	*SCHOLASTIC*	AP,IB,JR	EG,SI	- - - D - -	- E M - -	69.95
MATH WORD PROBLEMS More than 150 word problems in the basic operations; includes management	*OPTIMUM RES*	AP	DP	- - - - - -	- E M - -	39.95
MATH WORLDS: STRATEGIES I AND II Game of NIM; students can modify skill levels	*DC HEATH*	AP	EG,PS	- - - E - -	- E M S -	150.00*
MATH: SOLVING STORY PROBLEMS LV.3-8 Presents Polya's problem-solving model and provides practice in solving story problems	*HOUGHTON*	AP,IB	DP,PS	- - - - - -	P E M - -	1746.00*
METEOR MISSION Multiplication game; user can create new game content	*DLM*	AP	DP,EG,IM,SH	- - - - - -	- E M - -	44.00

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
METEOR MULTIPLICATION	*DLM*	AC,AP,AT,CO,IB	DP,EG	- - - - - -	- E - - -	44.00
Practice in multiplying whole numbers; arcade game format with variable speed						
MONEY AND TIME ADVENTURES LOLLIPOP	*SVE*	AP	DP,EG	- - - D - -	P E - - -	79.00
The Lollipop dragon teaches about time and money						
MONEY WORKS	*MECC*	AP	EG,PS	- - - - - -	P E - - -	55.00
Learn the basics of handling and minting money						
MONEY! MONEY!	*HARTLEY*	AP,IB	DP,TU	- - - - - -	P E - - -	39.95
Instruction and practice in counting money and making change; editing option						
MULTIPLICATION PUZZLES	*MECC*	AP	DP	- - - - - -	P E - - -	55.00
Drill on multiplication facts and regrouping						
NUMBER FARM	*DLM*	AP,CO,IB,JR	DP,EG	- - - - - -	P - - - -	29.95
Six musical games use animation to present and reinforce counting and number concepts						
NUMBER MUNCHERS	*MECC*	AP	DP,EG	- - - D - -	P E M - -	55.00
Practice number concepts in a game format						
NUMBER SEA HUNT	*GAMCO*	AP,CO,TR	DP	- - - - - -	P E - - -	44.95
Provides drill with counting, sequences, adding, and subtracting						
PIECE OF CAKE MATH	*SPRINGBOARD*	AP,AT,CO	EG	- - - - - -	P E - - -	29.95
Five games set in a bakery; basic skills practice						
POND, THE	*SUNBURST*	AP,CO,IB,JR,TC	EG,PS	- - - D - -	P E M - -	59.00
Problem-solving game involving pattern analysis						
PRIMARY WORDMATH	*MILLIKEN*	AP	DP,TU	- - - - - -	- E M - -	95.00
Teaches problem strategies: guess and check, exhaustive listing, and problem simplification						
PROBLEM SOLVING COMPUTER CW LV.5-8	*MCGRAW HILL*	AP	EG,PS	- - - D - -	- E M - -	719.55*
Problem-solving in an adventure game format						
PROBLEM SOLVING COMPUTER CW LV.K-4	*MCGRAW HILL*	AP	DP,EG,PS	- - - - - -	P E - - -	326.85*
A variety of games in different settings						
PUZZLE TANKS	*SUNBURST*	AP,CO,IB,JR,TR	EG,PS	- - - E - -	- E M S -	59.00
Practice math and logic skills by filling a large tank from a number of smaller tanks						
QUOTIENT QUEST	*MECC*	AP	DP	- - - - - -	- E - - -	55.00
Drill on division facts with dividends of up to four digits						
ROYAL RULES	*SUNBURST*	AP,IB	EG,PS,SH,SI	- - - D - -	- E M S -	75.00
Form/test hypotheses, recognize patterns, develop problem-solving skills, and design challenges						
SAILING THROUGH STORY PROBLEMS	*DLM*	AP	DP,EG	- - - - - -	P E M - -	46.00
Practice with whole number word problems in a game format						
SALINA MATH GAMES	*ED'L ACTV*	AP,TR	DP,EG	- - - - - -	P E M S -	159.00
Covers four operations with whole numbers, fractions, decimals, and percents						

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
SEMCALC Tool to develop strategies for interpreting word problems in mathematics	*SUNBURST*	AP,AT,TR	DP,PS,TU	- - - E - -	- E M S -	**95.00**
SOUTH DAKOTA User must employ math skills and critical thinking in a simulation of farm economics	*ED'L ACTV*	AP	PS,SI	- D - - - -	- E M S -	**63.00**
SPACE SUBTRACTION Drill on subtraction facts and problems without regrouping	*MECC*	AP	DP,EG	- - - - - -	P - - - -	**55.00**
SPEEDWAY MATH Basic skills problems in a race car format	*MECC*	AP	DP,EG	- - - - - -	P E - - -	**55.00**
STICKYBEAR MATH 1 Activities to introduce and reinforce basic math concepts and skills	*OPTIMUM RES*	AP,CO	DP,EG	- - - - - -	P - - - -	**39.95**
STICKYBEAR MATH 2 Practice in multiplication and division of whole numbers	*OPTIMUM RES*	AP	DP,EG	- - - - - -	P E - - -	**39.95**
STICKYBEAR WORD PROBLEMS Practice with whole number word problems	*OPTIMUM RES*	AP	DP	- - - - - -	P E - - -	**39.95**
SURVIVAL MATH Includes HOT DOG STAND, an economic simulation of sales at a ball game	*SUNBURST*	AP,AT,CO,TR	DP,EG,PS,SI	- - - - - -	- E M S -	**55.00**
SWEET SHOPPE Three games for single-digit addition, subtraction, and counting	*DC HEATH*	AP,CO	DP,EG	- - - - - -	P - - - -	**45.00**
TEASERS BY TOBBS Two programs to practice logical approaches to solving addition and multiplication problems	*SUNBURST*	AP,AT,CO,IB,TR	DE,DP,EG,PS	- - - D - -	- E M S -	**59.00**
UNDERSTANDING WORD PROBLEMS Multi-media approach to problem solving; filmstrips, skill sheets, and computer programs	*SVE*	AP	DP,TU	- - - - - -	- E - - -	**99.00**
VOYAGE MIMI: ECOSYSTEMS Keep humans alive on an island by selecting food web from land, plant, and animal species	*HOLT R&W*	AP	PS,SI	- - - - D -	- E M - -	**122.25**
WHATSIT CORPORATION Use math skills to make group decisions to operate competitive businesses	*SUNBURST*	AP,CO,TR	DP,EG,PS,SI	- - - D - -	- E M S -	**59.00**
WHOLE NUMBERS: ADD. & SUBTRACTION Practice whole number add. and sub.; includes pretesting, remediation, and mastery testing	*HOUGHTON*	AP	DP	- - - - - -	P E M - -	**105.00**
WHOLE NUMBERS: MULT. AND DIVISION Practice whole number mult. and div.; includes pretesting, remediation, and mastery testing	*HOUGHTON*	AP	DP	- - - - - -	- E M - -	**105.00**
WORDMATH 1-2 Instruction and practice in strategies for solving word problems	*MILLIKEN*	AP	DP,TU	- - - - - -	- E M - -	**95.00**
WORKSHEET WIZARD I-III Worksheet generators for whole numbers, fractions, and decimals	*EDUSOFT*	AP	IM	- - - - - -	P E M S T	**149.85★**

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE

MATHEMATICS - PROBLEM SOLVING

see PROBLEM SOLVING/LOGIC *section*

MATHEMATICS - STATISTICS

DINOSAURS AND SQUIDS Strategies for solving problems that involve two variables	*SCOTT FORS*	AP	EG,PS,SI	- - - E - -	- E M - -	**49.95**
EASY GRAPH II Produce pictographs, pie charts, and bar graphs; includes instructional materials	*GROLIER*	AP,CO,IB	GG,TU	- - - - - -	P E M - -	**59.95**
EXPLORING TABLES AND GRAPHS I Introduce the use of graphs; includes tool to construct graphs from a given set of data	*OPTIMUM RES*	AP	EG,GG,TU	- E - - - -	- E M S -	**34.95**
EXPLORING TABLES AND GRAPHS II Real-life applications of tables and graphs; picture, bar, line, and area graphs	*OPTIMUM RES*	AP	EG,GG,TU	- D - - - -	- E M S -	**34.95**
MATH WORLDS: SAMPLING Take statistical samples and study the effects of sample size	*DC HEATH*	AP	CA,GG	- - - E - -	- E M S -	**75.00**
MECC GRAPH Generate pie charts, bar graphs, and line graphs	*MECC*	AP	GG	- - - - - -	P E M S T	**49.00**
MECC GRAPHING PRIMER Tutorial for MECC GRAPH; has a writing activity on interpreting graphs	*MECC*	AP	GG,PS,TU	- - - - - -	P E M S -	**45.00**
MIRRORS ON THE MIND-STATISTICS For estimating mean, standard deviation, and correlation coefficient from graph or plot	*ADD WES*	AP	DE,EG,PS	- - - D - -	- E M S T	**54.95**
MIRRORS ON THE MIND-STRATEGIES Probabilistic games to define strategies, test hypotheses, and refine conjectures	*ADD WES*	AP	EG,PS	- - - E - -	- E M S -	**54.95**
PROJECT ZOO Construct graphs, tables, and charts from information gathered at the zoo	*NATIONAL GEO*	AP	EG,PS,SI,TU	- - - E E -	P E - - -	**139.50**
SPINNERS AND SLUGS Explore a variety of probabilistic situations	*SCOTT FORS*	AP	PS,SI	- - - D - -	- E M - -	**49.95**
UNDERSTANDING CHARTS AND GRAPHS Practice in reading tables, and in constructing and intrepreting graphs and charts	*SVE*	AP	DP,TU	- - - - - -	- E M - -	**189.00**

MUSIC

ARNOLD Drill and practice of aural skills; dictation training	*TEMPORAL*	AP	DP	- - - - - D	- E M S -	**150.00**
BANK STREET MUSICWRITER Create music and print the score	*MINDSCAPE*	AT,CO,IB	CA	- - - - - D	P E M - -	**49.95**

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CONCERTWARE+	*GREAT WAVE*	MC	CA	- - - - - -	- - - S -	**69.95**
Compose, play, and print music; allows users to customize instrument sounds						
DOREMI	*TEMPORAL*	AP	DP,TU	- - - - - D	- E M S -	**75.00**
Training in aural identification of intervals of the major scales; requires DAC board						
HARMONIOUS DICTATOR	*TEMPORAL*	AP	DP	- - - - - E	- - - S -	**150.00**
Practice recognition of chord progressions; requires DAC board						
JAM SESSION	*BRODERBUND*	MC	CA	- - - - - E	P E M S -	**49.95**
Harmonize with a four piece jazz ensemble						
JAZZ DICTATOR	*TEMPORAL*	AP	DP	- - - - - E	- E M S -	**150.00**
Practice aural identification of chord progressions in a jazz style; requires DAC board						
MAGIC PIANO	*EDUSOFT*	AP	CA,DP	- - - - - -	- E M S -	**49.95**
Create original music; two drills on music concepts						
MELODIOUS DICTATOR	*TEMPORAL*	AP	DE	- - - - - E	- E M S -	**150.00**
Training in basic skills of melodic dictation; requires DAC board						
MUSIC CONSTRUCTION SET	*ELECTR ART*	AP,CO,IB,MC	CA	- - - - - -	P E M S T	**39.95**
Use icons to create, edit, and record music; uses musical notation						
MUSIC DETECTIVE, THE	*TEMPORAL*	CO,MC	TU	- - - - - D	- - - S -	**60.00**
Develop perception of note, pitch, and duration; uses standard music notation						
MUSIC FUNDAMENTALS I	*SILVER*	CO	CA,DP	- - - - - -	- E M S -	**43.50**
Introduction to keyboard; read music and play on one octave keyboard						
MUSIC SHOP	*BRODERBUND*	CO	CA	- - - - - D	- E M S -	**49.95**
User can create, play, and print musical compositions						
MUSIC STUDIO	*MEDIAGENIC*	AP,CO	CA	- - - - - -	- E M S -	**34.95**
Create, edit, and record music on an Apple IIGS; uses a MIDI interface						
MUSIC THEORY	*MECC*	AP	CA,DP	- - - - - E	- E M S -	**49.00**
Eighteen programs to drill on terms, notation, rhythm, pitch, chords, and scales						
MUSICWORKS	*SPINNAKER*	MC	CA	- - - - - -	- E M S T	**79.95**
Create, play, and print musical scores						
POLYWRITER	*PASSPORT*	AP	CA	- - - - - E	- E M S -	**299.95**
Notes on a MIDI keyboard are translated into musical notation; can display, edit, and print						
PRACTICAL THEORY	*ALFRED MUSIC*	AP,CO,IB	DP,TU	- - - - - D	- - M S -	**199.95**
Sequential approach to music theory; textbook, disk, and workbook						
SIR WILLIAM WRONG-NOTE	*TEMPORAL*	AP	DP	- - - - - D	- - - S -	**150.00**
Error recognition in a harmonic context of four-voice chords						
SONGWRITER	*MINDSCAPE*	AP,AT,CO,IB	CA,DP	- - - - - D	- E M S -	**39.95**
Compose and rewrite complicated melodies without using musical notation						

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
SOUND TRACKS Compose melodies and experiment with line, shapes, pictures, and colors	*MECC*	AP	CA	- - - - - -	P E - - -	**55.00**
TONEY LISTENS TO MUSIC Ten levels of discrimination for tunes, interval, tempo, rhythm, and notation; requires DAC board	*TEMPORAL*	AP	DE,DP,EG	- - - - - E	P E M S -	**90.00**

PRESCHOOL/EARLY CHILDHOOD

ALPHABET CIRCUS Six musical games introduce and reinforce letter recognition skills	*DLM*	AP,CO,IB,JR	DP,EG	- - D - - -	P - - - -	**29.95**
ALPHABET EXPRESS Drill and practice in alphabet skills	*GAMCO*	AP,CO,TR	DP	- - - - - -	P - - - -	**44.95**
COMPARISON KITCHEN Six games reinforce pre-reading and math skills of visual perception and discrimination	*DLM*	AP	DP,EG	- - - - - -	P - - - -	**29.95**
COUNTERS Three games concretely provide 1-to-1 correspondence for counting, addition, and subtraction	*SUNBURST*	AP	DP,EG,TU	- - - - - -	P - - - -	**59.00**
COUNTING CRITTERS Practice basic number skills using numbers from 1 to 20	*MECC*	AP	DP	- - - D - -	P - - - -	**55.00**
DINOSAURS Match, sort, or count dinosaurs; covers habitats and feeding behavior	*ADV ID*	AP,CO,IB	DP,EG	- - D - D -	P - - - -	**39.95**
EARLY GAMES FOR YOUNG CHILDREN Introduces shapes, letters, drawing, addition, and subtraction	*SPRINGBOARD*	AP,CO,IB,MC	DP,EG	- - - - - -	P - - - -	**34.95**
EARLY GAMES MATCHMAKER Sequenced games to practice matching like and different shapes, or colors	*SPRINGBOARD*	AP,CO	EG,PS	- - - - - -	P - - - -	**29.95**
ERNIE'S MAGIC SHAPES Pre-reading skills; matching like shapes	*MINDSCAPE*	CO,JR	DP,EG	- - - - - -	P - - - -	**34.95**
FIRST R Phonetically-based word recognition program	*MILLIKEN*	AP	TU	- - - - - -	P - - - -	**95.00**
FIRST-LETTER FUN Practice letters with beginning sounds of words corresponding to pictures in the story	*MECC*	AP	DP,EG	- - - - - -	P - - - -	**55.00**
FISH SCALES Six games with music and graphics to practice measurement skills	*DLM*	AP	DP,EG	- - - - - -	P - - - -	**29.95**
FUN FROM A TO Z Letter discrimination, match uppercase and lowercase letters, and create pictures	*MECC*	AP	CA,EG	- - - - - -	P - - - -	**55.00**
GERTRUDE'S PUZZLES Solve puzzles involving recognition of color and shape patterns	*TLC*	AP,AT,CO,IB,TC	EG,PS	- - - E - -	P E M - -	**59.95**
GERTRUDE'S SECRETS Develop critical thinking skills by finding patterns in shapes and colors	*TLC*	AP,AT,CO,IB,TC	EG,PS	- - - E - -	P E - - -	**59.95**

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
GETTING READY TO READ AND ADD Drill in letter, number, and shape recognition	*SUNBURST*	AP,AT,CO,IB,JR	DP,EG	- - D - - -	P - - - -	**59.00**
JUGGLES' RAINBOW Reinforce the concepts of left and right, above and below	*TLC*	AP,AT,CO,IB,TC	DP,EG	- - - - - -	P - - - -	**29.95**
KINDERCOMP Six games to help children get ready to read, spell, and count	*SPINNAKER*	AP,AT,CO,IB,JR	DP,EG	- - - - - -	P E - - -	**29.95**
LEARNING ABOUT NUMBERS Practice and reinforcement for counting, simple time telling, and simple arithmetic	*C & C SOFT*	AP	DP,EG	- - - - - -	P E - - -	**40.00**
LETTERS AND FIRST WORDS Letter recognition skills and short words; reinforce basic language skills	*C & C SOFT*	AP	DP,EG	- - - - - -	P - - - -	**50.00**
LETTERS AND WORDS Alphabetizing, letter matches, and sight words; graphics; editing option; record keeping	*MINDSCAPE*	AP,IB,JR	DP,EG,TU	- - D - - -	P - - - -	**49.95**
MOPTOWN HOTEL Users identify attribute patterns of Bibbets and Gribbets in this competitive logic game	*TLC*	AP,AT,CO,IB,TC	EG,PS	- - - D - -	P E M - -	**39.95**
MOPTOWN PARADE Seven games to practice logical thinking, strategy development, and pattern recognition	*TLC*	AP,AT,CO,IB,TC	EG,PS	- - - D - -	P E M - -	**39.95**
MUPPET SLATE Easy-to-use word processing program featuring pictures and borders	*SUNBURST*	AP	WP	- - D - - -	P - - - -	**75.00**
MUPPET WORD BOOK THE Muppet characters introduce letters, words, and simple writing skills	*SUNBURST*	AP	DP	- - D - - -	P - - - -	**65.00**
MUPPETS ON STAGE To reinforce letter, number, and color recognition; comes with MUPPET LEARNING KEYS	*SUNBURST*	AP	CA,DP	- - - - - -	P - - - -	**99.00**
MUPPETVILLE Kermit explores colors, shapes, numbers, and patterns in Muppetville	*SUNBURST*	AP	DP	- - - D - -	P - - - -	**65.00**
NUMBER FARM Six musical games use animation to present and reinforce counting and number concepts	*DLM*	AP,CO,IB,JR	DP,EG	- - - - - -	P - - - -	**29.95**
PAINT WITH WORDS Develop vocabulary and create pictures; Ufonic voice system optional; can be printed	*MECC*	AP	CA,EG	- - D - - -	P - - - -	**55.00**
SHAPE AND COLOR RODEO Six colorful games teach and reinforce recognition of shapes and colors	*DLM*	AP,CO,IB,JR	DP,EG	- - - - - -	P - - - -	**29.95**
STICKYBEAR ABC Three games present word identification, order, and matching	*OPTIMUM RES*	AP,CO	DP,EG	- - - - - -	P - - - -	**39.95**
STICKYBEAR NUMBERS Simple Piagetian 1-to-1 correspondence presentation of numbers from 1 to 10	*OPTIMUM RES*	AP,AT,CO	DP,EG	- - - - - -	P - - - -	**39.95**
STICKYBEAR OPPOSITES Concepts of full/empty, up/down, in front of/behind	*OPTIMUM RES*	AP,AT,CO	DP,EG,PS	- - D - - -	P - - - -	**39.95**

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STICKYBEAR SHAPES Identify, choose, and name shapes; figure-ground relationships	*OPTIMUM RES*	AP,AT,CO	DP,EG	- - - - - -	P - - - -	39.95
TEDDYS PLAYGROUND Practice in visual discrimination and analogies	*SUNBURST*	AP	DP,EG	- - - D - -	P - - - -	59.00

PROBLEM SOLVING/LOGIC

AI: EXPERIENCE ARTIFICIAL INTELLIGENCE Teach the computer game strategies and it learns and plays the game	*SCHOLASTIC*	AP,IB,TA	PS,SI	- - - - - - -	- - M S T	69.95
ALL SORTS OF MEGGLES Practice decision-making skills, testing, and record keeping; requires Ufonic voice synthesizer	*ED TECH*	AP	DP,PS	- - D - - -	P E - - -	75.00
ANT FARM Problem solving using patterns and sequences; varied levels of difficulty	*SUNBURST*	AP	EG,PS	- - - - - - -	- E M S -	65.00
ARROW DYNAMICS Logic game to practice logical thought and strategy formation	*SUNBURST*	AP	EG,PS	- - - - - - -	- E M - -	59.00
BUILDING PERSPECTIVE Program challenges spatial relationship problem-solving skills	*SUNBURST*	AP,CO,IB,JR	EG,PS,SI	- - - D - -	- E M S -	65.00
BUMBLE GAMES Five programs introduce use of number pairs to describe positions in an array and on a grid	*TLC*	AP,AT,CO,IB,TC	DP,EG,PS	- - - D - -	P E - - -	54.95
BUMBLE PLOT Practice plotting and graphing skills on a coordinate grid (+10 to -10)	*TLC*	AP,CO,IB,TC	DP,EG,PS	- - - D - -	- E M - -	39.95
CALLIOPE Idea processor with word processing capabilities	*INNOVISION*	AP,MC	IT,PS,WP	- - - - - - -	- E M S T	59.95
CODE QUEST Decode clues to discover objects; use the mini-author to create new objects	*SUNBURST*	AP,AT,CO,IB,TR	EG,PS	- - - - - - -	- E M - -	59.00
COMPARISON KITCHEN Six games reinforce pre-reading and math skills of visual perception and discrimination	*DLM*	AP	DP,EG	- - - - - - -	P - - - -	32.95
CONCEPTOR Practice classifying information	*MENTOR LRN*	AP,AT,CO,IB	EG,IT	- - - - - - -	- - M S -	59.95
CREATIVITY UNLIMITED Develop flexible and original approaches; build, rotate, and expand objects	*SUNBURST*	AP	CA	- - - - - D	- E M - -	65.00
CROSSCOUNTRY CANADA Simulated journey combines map reading, decision-making skills, and geography	*DIDATECH*	AP	EG,PS,SI	- - - - - - -	- E M S -	49.95
CROSSCOUNTRY USA Simulated journey combines map reading, decision-making skills, and geography	*DIDATECH*	AP	EG,PS,SI	- D - - - -	- E M S -	49.95
CUBE BUILDER Manipulate 3-D cubes to build, enlarge, and rotate shapes	*HRM SOFTWR*	AP	EG,PS	- - - - - - -	- E M S T	49.95

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
DECISIONS, DECISIONS SERIES Series of role-playing simulations that require only one computer per class	*TOM SNYDER*	AP,IB	EG,PS,SI	- - - - - -	- E M S -	839.65*
DINOSAURS AND SQUIDS Strategies for solving problems that involve two variables	*SCOTT FORS*	AP	EG,PS,SI	- - - E - -	P E - - -	49.95
DISCOVERY LAB Design and conduct experiments to determine best environmental conditions for aliens	*MECC*	AP	PS,SI	- - - - D -	- E M S -	59.00
DISCOVERY: EXPERIENCES W/SCI REASON A tool for developing scientific problem solving	*MILLIKEN*	AP	PS,SI	- - - - E -	- - - S -	150.00
DISCRIMINATION ATTRIBUTES AND RULES Presents discrimination as part of the problem-solving process	*SUNBURST*	AP	EG,PS	- - - - - -	P E M - -	150.00
ENCHANTED FOREST, THE Explore the concepts AND, OR, NOT; identify attributes of shape, color, and size	*SUNBURST*	AP,IB	EG,PS,SI,TU	- - - D - -	- E M S -	59.00
EZ LOGO Introduces a subset of Logo commands; separate Logo not required	*MECC*	AP	CP,PS,TU	- - - - - -	P E - - -	49.00
FACTORY, THE Practice visual discrimination, spatial perception, sequencing, and ordering skills	*SUNBURST*	AP,AT,CO,IB,TC	EG,PS,SI	- - - E - -	- E M S -	55.00
FLYING CARPET, THE Use triangles, squares, rectangles and other shapes to create objects	*LRNG TECH*	AP,CO	EG,PS	- - - - - -	P - - - -	19.95
FUN HOUSE MAZE Practice pattern recognition and finding multiple solutions to three dimensional mazes	*SUNBURST*	AP	EG,PS	- - - D - -	- E M S -	59.00
GAME SHOW, THE Password format game; users may add their own subjects and words	*ADV ID*	AC,AP,CO,IB,JR	IM,SH	- - D - - -	P E M S T	39.95
GEARS Predicting results and problem-solving with gears and rotations; scientific method	*SUNBURST*	AP,IB,JR,TC	DP,EG,PS,SI	- - - D - -	- E M S -	59.00
GEOWORLD Simulates mining operations for selected minerals in various locations around the globe	*TOM SNYDER*	AP	DB,PS,SI	- E - - E -	- E M S -	79.95
GERTRUDE'S PUZZLES Solve puzzles involving recognition of color and shape patterns	*TLC*	AP,AT,CO,IB,TC	EG,PS	- - - E - -	P E M - -	59.95
GERTRUDE'S SECRETS Develop critical thinking skills by finding patterns in shapes and colors	*TLC*	AP,AT,CO,IB,TC	EG,PS	- - - E - -	P E - - -	59.95
GNEE OR NOT GNEE Game to develop visual discrimination and rule formation based on attributes	*SUNBURST*	AP,CO,IB,TC	EG,PS	- - - - - -	P E M - -	65.00
HIDE 'N SEQUENCE Use problem solving strategies to practice sequencing skills in reading and writing	*SUNBURST*	AP,CO	IT,PS	- - - - - -	- E M S T	75.00
HIGH WIRE LOGIC Language-based critical thinking game for developing Boolean logic skills	*SUNBURST*	AP,IB,JR	EG,PS	- - - E - -	- E M S -	59.00

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
HOMETOWN: LOCAL AREA STUDY Students analyze demographic data relating to their own local information	*ACTIVE LEARN*	AP,CO,IB	DB,IS,SI	- D - - - -	- - M S -	148.00
HOT DOG STAND Economic simulation of the operation of a hot dog stand at a football game	*SUNBURST*	IB,JR,TC	EG,IS,SI	- D - - - -	P I M - -	59.00
IGGYS GNEES Practice discrimination strategies to solve increasingly complex problems	*SUNBURST*	AP	EG,IS	- - - - - -	P I - - -	65.00
INCREDIBLE LABORATORY, THE Design experiments to determine the combination of chemicals needed to produce each monster	*SUNBURST*	AP,AI,CO,TC	EG,IS,SI	- - D D - -	- E M S -	59.00
JENNY'S JOURNEYS Apply map-reading skills to a drive through a city	*MECC*	AP	EG,IS,SI	- D - - - -	- E - - -	55.00
KING'S RULE, THE Form and test hypotheses, recognize patterns, and develop problem-solving skills	*SUNBURST*	AP,CO,IB,TC,TR	EG,IS	- - - E D -	- E M S -	59.00
LEGO TC LOGO Uses Lego building blocks with LOGOWRITER to program moveable objects	*LEGO*	AP	IS	- - - - - -	P I M S -	495.00
LOGIC BUILDERS A series of challenges to improve memory and logic skills	*SCHOLASTIC*	AP	EG,IS	- - - D - -	- E M S -	49.95
LOGOWRITER Integrates word processing with a version of the Logo programming language	*LCSI*	AP,IB,JR	CP,GG,WP	- - - I - -	- E M S -	450.00
MEMORY CASTLE A knight must remember and perform an increasing list of tasks to complete a mission	*SUNBURST*	AP,CO,IB,JR,TC	EG,IS	- - - D - -	- E M S -	59.00
MEMORY: A FIRST STEP Puppet defines and introduces sequential problem-solving skills; includes non-computer activities	*SUNBURST*	AP,IB,JR	DP,IS	- - - - - -	P I - - -	250.00
MIND PUZZLES A set of graduated puzzles and tools to practice problem-solving strategies	*MECC*	AP	IS,SI	- - - D - -	- - M S -	49.00
MINDSTRETCHER SERIES Ten logic puzzles in game formats; for one or more players	*IST SOFTWR*	AP,CO,PT	EG,IS	- - - - - -	- E M S -	200.00*
MOPTOWN HOTEL Users identify attribute patterns of Bibbets and Cribbets in this competitive logic game	*TLC*	AP,AI,CO,IB,TC	EG,IS	- - - D - -	- E M S -	39.95
MOPTOWN PARADE Seven games to practice logical thinking, strategy development, and pattern recognition	*TLC*	AP,AI,CO,IB,TC	EG,IS	- - - D - -	P E M - -	39.95
ODELL LAKE Improved, updated simulation of food chains in a mountain lake	*MECC*	AP	EG,IS,SI	- - - - - -	- E M - -	55.00
OH, DEER! Simulates the five-year management of a large herd of deer in a suburban community	*MECC*	AP	IS,SI,TU	- D - - D -	- E M - -	49.00
OREGON TRAIL, THE Improved version of OREGON; simulates the 1850 trek west in a covered wagon	*MECC*	AP	EG,IS,SI	- D - - - -	- E M - -	55.00

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OTHER SIDE, THE Simulates conflicts between nations, objective is to negotiate conflict and build a bridge	*TOM SNYDER*	AP,IB	PS,SI	D E - - - -	- - M S -	69.95
PINBALL CONSTRUCTION SET Design and construct pinball games by manipulating components on the screen	*ELECTR ART*	AP,AT,CO,IB,MC	AU,EG,PS	- - - - - -	- E M S -	39.95
PLANETARY CONSTRUCTION SET Two activities have students experiment, explore, and create planets for specific life forms	*SUNBURST*	AP	EG,PS,SI	- - - - D -	- - M S -	59.00
POND, THE Problem-solving game involving pattern analysis	*SUNBURST*	AP,CO,IB,JR,TC	EG,PS	- - - D - -	P E M - -	59.00
PROBLEM-SOLVING STRATEGIES Two interactive tutorials introduce strategies of trial-and-error and exhaustive listing	*MECC*	AP	PS,TU	- - - E - -	- - M S -	49.00
PUZZLE TANKS Practice math and logic skills by filling a large tank from a number of smaller tanks	*SUNBURST*	AP,CO,IB,JR,TR	EG,PS	- - - E - -	- E M S -	59.00
QUATIONS Math game, based on SCRABBLE, for building equations rather than words	*SCHOLASTIC*	AP	DP,EG,PS	- - - D - -	- E M S -	39.95
REGROUPING Educational game to practice regrouping by rules and attributes	*SUNBURST*	AP	EG,PS	- - - - - -	P E - - -	65.00
ROBOT ODYSSEY Use wires, logic gates, and circuit chips to design a robot that can escape from a maze	*TLC*	AP	CA,CP,EG,PS	- - - E D -	- E M S -	49.95
ROCKY'S BOOTS Design circuit to recognize specific attributes using AND, NOT, OR, and flip-flop gates	*TLC*	AP	CP,EG,PS,SI	- - - E D -	- E M S -	49.95
ROYAL RULES Deduce the rules for mathematical sequences	*SUNBURST*	AP,IB	PS,SI	- - - D - -	- E M S -	75.00
SAFARI SEARCH Improve problem-solving and inference skills through a series of challenging activities	*SUNBURST*	AP,CO,IB	PS,SI	- - - E - -	- E - - -	65.00
SEMCALC Tool to develop strategies for interpreting word problems in mathematics	*SUNBURST*	AP,AL,TR	DP,PS,TU	- - - E - -	- - M S -	95.00
SOUND TRACKS Program combines graphics and music to create musical pictures	*MECC*	AP	CA	- - - - - -	P E M - -	55.00
STICKYBEAR OPPOSITES Concepts of full/empty, up/down, in front of/behind	*OPTIMUM RES*	AP,AL,CO	DP,EG,PS	- - D - - -	P - - - -	39.95
STICKYBEAR SHAPES Identify, choose, and name shapes, figure-ground relationships	*OPTIMUM RES*	AP,AL,CO	DP,EG	- - - - - -	P - - - -	39.95
STICKYBEAR TOWN BUILDER Practice map skills while building twenty different towns	*OPTIMUM RES*	AP,CO	EG,PS,SI	- D - - - -	P - - - -	39.95
STORY TREE Three interactive stories, word processor for creating additional branching stories	*SCHOLASTIC*	AP,CO,IB	CA,SH,WP	- - D - - -	P E M S I	59.95

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SUPER FACTORY, THE	*SUNBURST*	AP,CO,IB,JR,TC	CA,CP,PS,SI	- - - E - -	- E M S -	**59.00**
Experiment with designs on a cube by using spatial geometry; 3-D version of THE FACTORY						
TEASERS BY TOBBS	*SUNBURST*	AP,AT,CO,IB,TR	DP,EG,PS	- - - D - -	- E M S -	**59.00**
Two programs to practice logical approaches to solving addition and multiplication problems						
TEDDY'S PLAYGROUND	*SUNBURST*	AP	DP,EG	- - - D - -	P - - - -	**59.00**
Practice in visual discrimination and analogies						
TEN CLUES	*SUNBURST*	AP	AU,EG,PS	- E - - - -	P E M S -	**65.00**
Mini-authoring program stressing critcal versus variable attributes						
THINK QUICK	*TLC*	AP	EG,PS	- - - - - -	P E M - -	**69.95**
Practice problem-solving skills while moving through a maze to collect parts of a puzzle						
TIC TAC SHOW	*ADV ID*	AC,AP,CO,IB,JR	AU,EG,IM,SH	- - D - - -	P E M S T	**39.95**
Mini-authoring system allows teachers or students to develop HOLLYWOOD SQUARES game						
TIP 'N FLIP	*SUNBURST*	AP,IB	EG,PS	- - - E - -	P E M - -	**65.00**
Practice discrimination skills by finding similarities and differences in patterns and orientations						
TONK IN THE LAND OF BUDDY-BOTS	*MINDSCAPE*	AP,CO,IB	EG,PS	- - - - - D	P E - - -	**19.95**
Practice visual discrimination, concentration, memory, and problem-solving skills						
TRADING POST	*SUNBURST*	AP,CO,IB,JR,TC	EG,PS	- - - D - -	P E M - -	**59.00**
Game for two students to reinforce visual discrimination, rule formation, analysis, and planning						
TRIVIA MACHINE	*MECC*	AP	DB,EG,PS,SI	- - - - - - -	- E M S -	**49.00**
Trivia game for developing data base thinking skills and keyword searching skills						
WHAT'S MY LOGIC	*MIDWESTPC*	AP,CO	EG,PS	- - - D - -	- - M S -	**39.95**
Game practice in pattern recognition						
WHATSIT CORPORATION	*SUNBURST*	AP,CO,TR	DP,EG,PS,SI	- - - D - -	- E M S -	**59.00**
Use math skills to make group decisions to operate competitive businesses						
WHERE IN USA IS CARMEN SANDIEGO?	*BRODERBUND*	AP	EG,PS,SI	- D - - - -	- E M S -	**44.95**
Use FODOR'S GUIDE TO THE USA to search the USA and capture the criminal						
WHERE IN WORLD IS CARMEN SANDIEGO?	*BRODERBUND*	AP	EG,PS,SI	- D - - - -	- E M S -	**49.95**
Use THE WORLD ALMANAC to search the world and capture the criminal						
ZOYON PATROL	*MECC*	AP	EG,PS,SI	- - - - - - -	- - M S -	**55.00**
Retrieve information from a data base and make decisions within a timed structure						

SCIENCE - ASTRONOMY

BANK STREET SCHOOL FILER: SPACE	*SUNBURST*	AP	DB,PS	- - - - - - -	- - M S -	**59.00**
Data base file has information on planets and the history of astronomy						
PLANETARY CONSTRUCTION SET	*SUNBURST*	AP	EG,PS,SI	- - - - D -	- - M S -	**59.00**
Two activities have students experiment, explore, and create planets for specific life forms						

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SKY LAB	*MECC*	AP	DE,SI,TU	- - - - E -	- E M - -	**55.00**
Simulate the motion of the sun, constellations, and planets relative to the earth						
SKY TRAVEL	*COMMODORE*	CO	DB,DE,SI	- - - - D -	- - - S -	**29.95**
Present planetarium-type sky displays for any longitude, latitude, time, and date						

SCIENCE - BIOLOGY

AGENTS OF INFECTION	*PRENTICE*	AP,IB,TA	DE,TU	- - - - - - -	- - M S -	**69.00**
Use simulated magnifying glass and microscope to identify bacteria and viruses						
BANK ST. SCHOOL FILER: ENDANGERED	*SUNBURST*	AP,CO	DB,PS	- - - - - - -	- - M S -	**59.00**
Data base of endangered species worldwide; includes those extinct from 1600 to the present						
BIOFEEDBACK MICROLAB	*HRM SOFTWR*	AP,CO	IF	- - - - D -	- - - S -	**420.00**
Interface package to measure heart rate, muscle tension, and electrodermal responses						
BIRDBREED	*EDUTECH*	AP	SI	- - - - D -	- - M S -	**110.00**
Explore genetic principles for sixteen breeding groups of birds of defined phenotypes						
BODY ELECTRIC	*HRM SOFTWR*	AP,CO,IB,TR	IF	- - - - - - -	- - - S -	**450.00**
Use an interface card and electrodes to measure electrical activity from four areas of the body						
BODY TRANSPARENT	*BRITANNICA*	AP,CO,IB	DP,TU	- - - - E -	- - M S -	**39.95**
Three activities about human body parts, function, and placement						
BOTANICAL GARDENS	*SUNBURST*	AP	PS,SI	- - - - D -	- - M S -	**59.00**
Simulate plant growth by controlling temperature, light, water, and food						
CARDIOVASCULAR FITNESS LAB	*HRM SOFTWR*	AP,CO,IB	IF	- - - - D -	- - M S -	**210.00**
Use the computer as a laboratory monitor of cardiovascular activity						
CATGEN	*CONDUIT*	AP	SI	- - - - D -	- - M S -	**75.00**
Mate domestic cats of same genotype and observe their offspring						
CELL FUNCTIONS: GROWTH AND MITOSIS	*IBM*	IB	DP,TU	- - - - - - -	- - - S -	**65.00**
Animated tutorial on growth and mitosis; structure and function of animal cells						
CIRCULATION AND DIGESTION	*MILLIKEN*	AP	SI	- - - - D -	- E M - -	**95.00**
Simulates digestive and circulatory systems; descriptions of functions						
CLASSIFICATION OF LIVING THINGS	*ED'L ACTV*	AP	DB,TU	- - - - D -	- - M S -	**63.00**
Binomial nomenclature and scientific names used for classification						
CLASSIFYING ANIMALS WITH BACKBONES	*DC HEATH*	AP	DB,TU	- - - - - - -	- - M S -	**66.00**
Classify zoo animals using a key and animal attributes						
DINOSAUR DAYS	*TYC*	AP	DP,TU	- - - - D -	P E - - -	**39.95**
History, physical characteristics, and habitats of dinosaurs						
DINOSAUR DIG	*MINDSCAPE*	AP,CO,IB	DP,TU	- - D - - -	P E M - -	**49.95**
Learn about dinosaurs; identification of pictures, characteristics, and geologic eras						

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
EXPERIMENTS IN HUMAN PHYSIOLOGY Lab equipment to measure respiration, skin temperature, heart rate, and reaction time	*HRM SOFTWR*	AP,IB	IF	- - - - - - -	- - M S -	**325.00**
EXPERIMENTS IN SCIENCE Interface package for experiments in biology, physics, chemistry, and earth science	*HRM SOFTWR*	AP,IB	IF	- - - - D -	- - M S -	**325.00**
EXPLORE-A-SCIENCE: TYRANNOSAURUS Learn about paleontology by reconstructing a Tyrannosaurus Rex	*DC HEATH*	AP	PS,TU	- - - - D -	- E - - -	**75.00**
GENETICS Experiment and conduct tests with imaginary bugs to explore genetic principles	*MECC*	AP	PS,SI	- - - - - - -	- - M - -	**49.00**
HEART ABNORMALITIES AND EKGs Demonstrate normal and abnormal EKG'S and heart abnormalities caused by different conditions	*FOCUS*	AP	DE,TU	- - - - - - -	- - M S -	**75.00**
HUMAN GENETIC DISORDERS Explore the inheritance patterns of 24 known human disorders	*HRM SOFTWR*	AP	PS,SI	- - - - D -	- - - S -	**49.95**
LIFE SCIENCE DATA BASE Data files for PFS: FILE cover bird migration, animals, flowers, and drugs	*SCHOLASTIC*	AP	DB	- - - - D -	- E M S -	**99.95**
LIGHT, PLANTS AND PHOTOSYNTHESIS Explore light as energy and the characteristics of light used by chloroplasts in photosynthesis	*IBM*	IB,PS	TU	- - - - - - -	- - - S -	**52.00**
MENDELIAN GENETICS Comprehensive tutorial on Mendelian theory and applications	*IBM*	IB,PS	DP,TU	- - - - - - -	- - - S -	**52.00**
MICRO GARDENER Grow geraniums and philodendrons by controlling light, water, temperature, and fertilizer	*ED'L ACTV*	AP	PS,SI	- - - - D -	- E M - -	**63.00**
NOW HEAR THIS Reinforces fundamentals of hearing; covers major parts of the ear, its self-protection abilities, and sign language	*MARSHWARE*	AP	TU	- - - - - - -	P E - - -	**41.95**
PATHOLOGY: DISEASES AND DEFENSES Describes infectious pathogens, causes of noninfectious diseases, body defense, and immunity	*IBM*	IB,PS	TU	- - - - - - -	- - M S -	**52.00**
SOLAR FOOD: EXPLAN. PHOTOSYNTHESIS Tutorial and simulated experiments to see how light, temperature, and carbon dioxide affect photosynthesis	*HRM SOFTWR*	AP	SI,TU	- - - - - - -	- - - S -	**69.00**
TOUCHY SUBJECT Explore the nervous system through simulated experiments	*MARSHWARE*	AP	TU	- - - - - - -	- E - - -	**39.95**

SCIENCE - CHEMISTRY

CHEM LAB SIMULATIONS 1 An acid-base titration simulation to determine endpoint, volume, and concentration	*HIGH TECH*	AP,AT	SI	- - - - D -	- - - S -	**100.00**
CHEM LAB SIMULATIONS 2 Ideal gas law and entropy simulations	*HIGH TECH*	AP	SI	- - - - E -	- - - S -	**100.00**
CHEMICALS OF LIFE I: STRUCTURE Interactive presentation of Bohr model of the atom, energy levels, ions, and ionic bonding	*IBM*	IB,JR,PS	TU	- - - - - - -	- - - S -	**52.00**

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
COMBINING THE ELEMENTS	*DC HEATH*	AP	TU	- - - - - -	- - M S -	**75.00**
Explore the composition and characteristics of elements and compounds as they are formed						
ENZYME INVESTIGATIONS	*HRM SOFTWR*	AP	SI,TU	- - - - - -	- - - S -	**49.95**
Learn what enzymes are and how they operate						
EXPERIMENTS IN CHEMISTRY	*HRM SOFTWR*	AP	IF	- - - - D -	- - - S -	**455.00**
Lab interface and probes for conducting fifteen chemistry experiments; teacher's guide						
EXPERIMENTS IN COLORIMETRY	*HRM SOFTWR*	AP	IF	- - - - - -	- - - S -	**239.00**
Lab interface to graph data entered from spectrophotometer and a photodetector; teacher's guide						
EXPERIMENTS IN SCIENCE	*HRM SOFTWR*	AP,IB	IF	- - - - D -	- - M S -	**325.00**
Interface package for experiments in biology, physics, chemistry, and earth science						
INTRO TO GENERAL CHEMISTRY	*COMPRESS*	AP,IB	DP,TU	- - - - D -	- - M S -	**590.00★**
Series of ten supplementary computer activities for an introductory chemistry course						
MOLEC: MOLECULAR MODELING	*COMPRESS*	AP	PS,SI	- - - - - -	- - - S -	**149.95**
Create, edit, display, and manipulate three-dimensional molecular models						
MOVING MOLECULES	*HRM SOFTWR*	AP	PS,SI	- - - - D -	- - - S -	**49.95**
Effect of pressure and temperature on molecular motion in gases, liquids, solids; Boyle's and Charles' Laws						
PERIODIC TABLE: COMPUTER ASSISTED	*COMPRESS*	AP	PS,SI	- - - - D -	- - - S -	**50.00**
Two demonstration programs represent and graph periodic properties of the elements						
PHYSICAL SCIENCE DATA BASE	*SCHOLASTIC*	AP	DB	- - - - D -	- E M S -	**79.95**
Data files for PFS: FILE; chemical compounds, reactions, chemical testing, glues and adhesives						

SCIENCE - EARTH SCIENCE

ATARILAB STARTER SET	*ATARI*	AT	IF,SI	- - - - D -	- - M - -	**99.95**
Lab interface to measure up to six modules at a time						
CHANGING EARTH, THE	*DC HEATH*	AP	PS,TU	- - - - - -	- E M - -	**66.00**
Students collect data, perform tests, and make decisions as they analyze the earth's layers						
EARTHQUAKES	*IBM*	IB,JR	DP,TU	- - - - - -	- - M S -	**44.00**
Comprehensive program shows relationship of earthquakes to other physical phenomena						
EXPERIMENTS IN SCIENCE	*HRM SOFTWR*	AP,IB	IF	- - - - D -	- - M S -	**325.00**
Interface package for experiments in biology, physics, chemistry, and earth science						
FORECAST	*MINDSCAPE*	AP,CO,IB,JR	DB,PS,SI	- - - - D -	- - M S -	**69.95**
Make forecasts based on a data base of weather information for the U.S.A.						
GROUND WATER	*IBM*	IB	TU	- - - - - -	- - M S -	**49.00**
Explore relationships among groundwater, the environment, and people						
HEAT ENERGY	*DC HEATH*	AP	PS,TU	- - - - E -	- E M S -	**66.00**
Design a shelter to investigate problems of energy efficiency and structural design						

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
HYDROLOGIC CYCLE Examine the human impact on the hydrologic cycle	*IBM*	IB	TU	- - - - - -	- - - S -	**49.00**
INFORMATION LAB SOFTWARE/EARTH SC Data base research tool with tutorial on earth science topics	*ADD WES*	AP	DB,TU	- - - - - -	- - M - -	**60.00**
LIFE IN THE OCEAN Simulation of scientists in a bathyscaph who collect and interpret data on marine life	*DC HEATH*	AP	SI	- - - - D -	- E M - -	**66.00**
MICRO GARDENER Grow geraniums and philodendrons by controlling light, water, temperature, and fertilizer	*ED'L ACTV*	AP	PS,SI	- - - - D -	- E M - -	**63.00**
SCIENCE TOOL KIT 2: EARTHQUAKE Use with SCIENCE TOOL KIT master module to measure seismic activity; includes teacher's guide	*BRODERBUND*	AP	IF,SI,TU	- - - - - -	- E M S -	**39.95**
VOLCANOES Use research data to predict the eruption of a volcano	*EARTHWARE*	AP	PS,SI	- - - - D -	- - M S -	**49.50**
VOLCANOES Describes volcano formation, eruption, and prediction	*IBM*	IB,PS	SI,TU	- - - - - -	- - - S -	**44.00**
VOYAGE MIMI: MAPS AND NAVIGATION Apply mapping and navigational skills to rescue distressed whales	*HOLT R&W*	AP	EG,IS,SI,TU	- - - E - -	- E M S -	**122.25**
WEATHER AND CLIMATE LAB Analyze, test, and hypothesize about relationships between geographic features and climate	*SCHOLASTIC*	AP	DE,IS	- - - - D -	- - M S -	**59.95**

SCIENCE - ENVIRONMENTAL EDUCATION/ECOLOGY

BANK ST. SCHOOL FILER: ENDANGERED Data base of endangered species worldwide; includes those extinct from 1600 to the present	*SUNBURST*	AP,CO	DB,IS	- - - - - -	- - M S -	**59.00**
ENVIRONMENT I: HABITATS/ECOSYSTEMS Describes composition of ecosystems and examines effect of abiotic and biotic factors	*IBM*	IB,PS	DP,TU	- - - - - -	- - - S -	**52.00**
OH, DEER! Simulates the five-year management of a large herd of deer in a suburban community	*MECC*	AP	PS,SI,TU	- D - - D -	- E M - -	**49.00**
SCIENCE#1: THE ENVIRONMENT Interactive tutorials and simulations cover the greenhouse effect, ecosystem, and energy	*DECISION*	AP,IB	SI,TU	- - - - - -	- E M - -	**49.95**
VOYAGE MIMI: ECOSYSTEMS Keep humans alive on an island by selecting food web from land, plant, and animal species	*HOLT R&W*	AP	PS,SI	- - - - D -	- E M - -	**122.25**
VOYAGE MIMI: ISLAND SURVIVORS Survival simulation using food webs and predator-prey relationships	*HOLT R&W*	AP	PS,SI	- - - - - -	- E M - -	**122.25**

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SCIENCE - GENERAL SCIENCE

TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
ANIMAL PHOTO FUN Graphics and a safari game format introduce students to animals and their habitats	*DLM*	AP	SI,TU	- - - - - -	- E M - -	**29.95**
ANT FARM Predict ants' work stations and paths by using trial-and-error and analysis	*SUNBURST*	AP	EG,PS	- - - - - -	- E M S -	**65.00**
COMBINING THE ELEMENTS Explore the compositon and characteristics of elements and compounds as they are formed	*DC HEATH*	AP	TU	- - - - - -	- - M S -	**75.00**
DINOSAUR DIG Learn about dinosaurs; identification of pictures, characteristics, and geologic eras	*MINDSCAPE*	AP,CO,IB	DP,TU	- - D - - -	P E M - -	**49.95**
DISCOVERY LAB Design and conduct experiments to determine best environmental conditions for aliens	*MECC*	AP	PS,SI	- - - - D -	- E M S -	**59.00**
DISCOVERY: EXPERIENCES W/SCI REASON A tool for developing scientific problem solving	*MILLIKEN*	AP	PS,SI	- - - - E -	- E M S -	**150.00**
HEAT AND TEMPERATURE Use interface and temperature probes to perform temperature experiments	*HRM SOFTWR*	AP	IF	- - - - - -	- - M S -	**395.00**
HEATH SCIENCE: EXPLORING HEAT Present concepts of heat energy through experiments and discussion	*DC HEATH*	AP	IF,TU	- - - - D -	- E - - -	**150.00**
HEATH SCIENCE: EXPLORING MATTER Study effects of heat on matter and molecular movement	*DC HEATH*	AP	IF,TU	- - - - D -	- E - - -	**150.00**
LIFE IN THE OCEAN Simulation of scientists in a bathyscaph who collect and interpret data on marine life	*DC HEATH*	AP	SI	- - - - D -	- E M - -	**66.00**
MACHINES AND FORCE Study simple machines by using simple mathematical operations	*DC HEATH*	AP	SI,TU	- - - - D -	- E M - -	**66.00**
ODELL LAKE Recently revised ecological and food web simulation in fresh-water lake	*MECC*	AP	EG,SI	- - - - - -	- E M - -	**55.00**
PHYSICAL SCIENCE DATA BASE Data files for PFS: FILE; chemical compounds, reactions, chemical testing, glues and adhesives	*SCHOLASTIC*	AP	DB	- - - - D -	- E M S -	**79.95**
PROJECT ZOO Develop beginning directional skills through problem solving while exploring a zoo	*NATIONAL GEO*	AP	EG,PS,SI,TU	- - - E E -	P E - - -	**139.50**
PSYCH LAB Experiment with perception, memory, and learning as either experimentor or subject	*HRM SOFTWR*	AP	SI	- - - - - -	- - - S -	**49.95**
SCIENCE TOOL KIT 1: SPEED/MOTION Use with SCIENCE TOOL KIT master module to measure velocity and acceleration	*BRODERBUND*	AP	IF	- - - - - -	- E M S -	**39.95**
SCIENCE TOOL KIT MASTER MODULE Interfacing package to measure temperature, light, speed, and response time; includes teacher's guide	*BRODERBUND*	AP	IF,SI,TU	- - - - D -	- E M S -	**79.95**
SIMPLE MACHINES Principles and applications of lever, pulley, inclined plane, wheel, wedge, and screw	*MICRO P&L*	AP	PS,TU	- - - - D -	P E - - -	**29.95**

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
SMELL & TELL Graphic introduction to link between taste and smell and how taste buds work	*MARSHWARE*	AP	TU	- - - - - -	- E - - -	39.95
VOYAGE MIMI: ISLAND SURVIVORS Survival simulation using food webs and predator-prey relationships	*HOLT R&W*	AP	PS,SI	- - - - - -	- E M - -	122.25
VOYAGE MIMI: MAPS AND NAVIGATION Apply mapping and navigational skills to rescue distressed whales	*HOLT R&W*	AP	EG,PS,SI,TU	- - - E - -	- E M S -	122.25
WHO AM I? Identification game in which students identify an organism by analyzing clues	*FOCUS*	AP	PS	- - - - - -	- E - - -	45.00

SCIENCE - PHYSICS

CIRCUIT LAB Build and analyze parallel and series electrical circuits	*MARK DAVIDS*	AP,AT	PS,SI	- - - - - -	- - M S -	24.95
EXPERIMENTS IN SCIENCE Interface package for experiments in biology, physics, chemistry, and earth science	*HRM SOFTWR*	AP,IB	IF	- - - - D -	- - M S -	325.00
GLIDEPATH Simulate flight of glider over imaginary terrain that includes mountains, forests, and deserts	*HRM SOFTWR*	AP	SI	- - - - D -	- - M - -	49.95
INVESTIGATING ACCELERATION Gather data and manipulate variables to observe effects of acceleration	*IBM*	IB,PS	TU	- - - - D -	- - - S -	60.00
INVESTIGATING ELECTRIC FIELDS Collect data and manipulate variables to explore laws of electricity	*IBM*	IB,PS	TU	- - - - D -	- - - S -	60.00
INVESTIGATING GRAVITATIONAL FORCE Collect data and manipulate variables to explore the law of gravity	*IBM*	IB,PS	TU	- - - - D -	- - - S -	60.00
LIGHT LAB Interfacing package to measure light intensity	*CREATIVE TEC*	AP,CO	IF	- - - - D -	- - M S -	50.00
MOTION Motion Probe measures and plots position, velocity, and acceleration	*HRM SOFTWR*	AP	DE,IF,SM	- - - - - -	- - - S -	289.00
MOVING MOLECULES Effect of pressure and temperature on molecular motion in gases, liquids, solids; Boyle's and Charles' Laws	*HRM SOFTWR*	AP	SI	- - - - D -	- - M S -	49.95
OPTICS ON COMPUTER: PHYSICAL SCIENCE Two programs demonstrate properties and operation of lenses and refraction	*FOCUS*	AP	DE	- - - - D -	- - - S -	65.00
SCIENCE TOOL KIT 1: SPEED/MOTION Use with SCIENCE TOOL KIT master module to measure velocity and acceleration	*BRODERBUND*	AP	IF	- - - - - -	- E M S -	39.95
SCIENCE TOOL KIT MASTER MODULE Interfacing package to measure temperature, light, speed, and response time; includes teacher's guide	*BRODERBUND*	AP	IF,SI,TU	- - - - D -	- E M S -	79.95
SIMPLE MACHINES Principles and applications of lever, pulley, inclined plane, wheel, wedge, and screw	*MICRO P&L*	AP	PS,TU	- - - - D -	P E - - -	29.95

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SOUND: A MICROCOMPUTER-BASED LAB Experiments using interface to measure, analyze, and display images of sounds	*HRM SOFTWR*	AP	IF	- - - - E -	- - M S -	**265.00**
TEMPERATURE EXPERIMENTS Interfacing package to measure temperature with two probes	*HARTLEY*	AP,CO	IF	- - - - D -	P E M S -	**69.95**

SCIENCE - SCIENTIFIC METHOD/LAB EQUIPMENT

ATARILAB STARTER SET Lab interface to measure up to six modules at a time	*ATARI*	AT	IF,SI	- - - - D -	- - M - -	**99.95**
BODY ELECTRIC Use an interface card and electrodes to measure electrical activity from four areas of the body	*HRM SOFTWR*	AP,CO,IB,TR	IF	- - - - - - -	- - M S -	**450.00**
CARDIOVASCULAR FITNESS LAB Use the computer as a laboratory monitor of cardiovascular activity	*HRM SOFTWR*	AP,CO,IB	IF	- - - - D -	- - M S -	**210.00**
COLORTROPE Use the computer screen to explore principles of light and color	*HRM SOFTWR*	AP,IB,JR	TU	- - - - - - -	- - - S -	**79.95**
DISCOVERY LAB Design and conduct experiments to determine best environmental conditions for aliens	*MECC*	AP	PS,SI	- - - - D -	- E M S -	**59.00**
DISCOVERY: EXPERIENCES W/SCI REASON A tool for developing scientific problem solving	*MILLIKEN*	AP	PS,SI	- - - - E -	- E M S -	**150.00**
FREQUENCY METER Interface package to measure, display, and store audio frequencies	*VERNIER*	AP	IF	- - - - E -	- - - S -	**39.95**
GRAPHICAL ANALYSIS III Plots graphs of experimental data and allows students to analyze results	*VERNIER*	AP	GG,IF,PS	- - - - - - -	- - - S T	**24.95**
HEAT AND TEMPERATURE Use interface and temperature probes to perform temperature experiments	*HRM SOFTWR*	AP	IF	- - - - - - -	- - M S -	**395.00**
HOW TO BUILD A BETTER MOUSETRAP Student-built interfacing experiments for science projects	*VERNIER*	AP	IF	- - - - - - -	- - M S -	**24.95**
INCREDIBLE LABORATORY, THE Design experiments to determine the combination of chemicals needed to produce each monster	*SUNBURST*	AP,AT,CO,TC	EG,PS,SI	- - D D - -	- E M S -	**59.00**
LIGHT LAB Interfacing package to measure light intensity	*CREATIVE TEC*	AP,CO	IF	- - - - D -	- - M S -	**50.00**
SCIENCE TOOL KIT 1: SPEED/MOTION Use with SCIENCE TOOL KIT master module to measure velocity and acceleration	*BRODERBUND*	AP	IF	- - - - - - -	- E M S -	**39.95**
SCIENCE TOOL KIT MASTER MODULE Interfacing package to measure temperature, light, speed, and response time; includes teacher's guide	*BRODERBUND*	AP	IF,SI,TU	- - - - D -	- E M S -	**79.95**
TEMPERATURE EXPERIMENTS Interfacing package to measure temperature with two probes	*HARTLEY*	AP,CO	IF	- - - - D -	P E M S -	**69.95**

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VOYAGE MIMI: WHALES & ENVIRONMENT	*HOLT R&W*	AP	IF	- - - - D -	- E M - -	**374.25**
Probe kit for measuring temperature, light, and sound; includes BANK STREET LAB						

SOCIAL SCIENCE - ECONOMICS

ELECTRONIC MONEY	*MECC*	AP,CO,IB	DP,SI,TU	- D - - - -	- E M - -	**36.00**
Practice in recognizing specific uses of electronic money transactions in business						
FACTORY, THE	*SUNBURST*	AP,AT,CO,IB,TC	EG,PS,SI	- - - E - -	- E M S -	**55.00**
Practice visual discrimination, spatial perception, sequencing, and ordering skills						
GEOWORLD	*TOM SNYDER*	AP	DB,PS,SI	- E - - E -	- E M S -	**79.95**
Simulates mining operations for selected minerals in various locations around the globe						
HOT DOG STAND	*SUNBURST*	IB,JR,TC	EG,PS,SI	- D - - - -	- E M S -	**59.00**
Economic simulation of the operation of a hot dog stand at a football game						
MARKET PLACE, THE	*MECC*	AP,CO,IB,TC	EG,SI	- E - - - -	- E M - -	**39.00**
Economic simulations include selling apples, plants, lemonade, and bicycles						
OTHER SIDE, THE	*TOM SNYDER*	AP,IB	PS,SI	D E - - - -	- - M S -	**69.95**
Simulates conflicts between nations; objective is to negotiate conflict and build a bridge						

SOCIAL SCIENCE - GEOGRAPHY

BANK STREET SCHOOL FILER: NORTH AM.	*SUNBURST*	AP,CO	DB	- - - - - -	- - M S -	**99.00**
Data base files on social studies topics for North American countries						
BANK STREET SCHOOL FILER: U.S.	*SUNBURST*	AP,CO	DB	- - - - - -	- - M S -	**59.00**
Data base files on social studies topics for each state of the U.S.A.						
CROSSCOUNTRY CALIFORNIA	*DIDATECH*	AP	EG,PS,SI	- D - - - -	- E M S -	**49.95**
Simulated travel from city to city throughout California						
CROSSCOUNTRY CANADA	*DIDATECH*	AP	EG,PS,SI	- - - - - -	- E M S -	**49.95**
Simulated travel across Canada; utilizes reference materials						
CROSSCOUNTRY TEXAS	*DIDATECH*	AP	EG,PS,SI	- - - - - -	- E M S -	**49.95**
Simulated travel from city to city throughout Texas						
CROSSCOUNTRY USA	*DIDATECH*	AP	EG,PS,SI	- D - - - -	- E M S -	**49.95**
Simulated journey combines map reading, decision-making skills, and geography						
DATAQUEST: THE FIFTY STATES	*MECC*	AP	DB	- - - - - -	- E M S -	**55.00**
Questions on geography, demographics, climate, economics, and history; editing option						
GEOWORLD	*TOM SNYDER*	AP	DB,PS,SI	- E - - E -	- E M S -	**79.95**
Simulates mining operations for selected minerals in various locations around the globe						

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
ONE WORLD: COUNTRIES DATA BASE Information on all nations of the world; includes maps and activity sheets	*ACTIVE LEARN*	AP,CO,IB	DB	- - - - - -	- E M S -	**48.00**
SEE THE U.S.A. Introduces the political geography of the U.S.A.	*COMPU-TEACH*	AP,IB	DP	- - - - - -	- E M - -	**49.95**
STATES AND CAPITALS Guided drill in basic geography skills of the U.S.A.	*GAMCO*	AP,CO,TR	DP	- - - - - -	- E M - -	**54.95**
UNLOCKING THE MAP CODE Six units to review land and water forms and to interpret map symbols	*RAND MCNLY*	AP,AT	EG,TU	- D - - - -	- E M - -	**111.00**
USA PROFILE Data base of information on all 50 states; includes maps and activity sheets	*ACTIVE LEARN*	AP,CO,IB	DB	- - - - - -	- - M S -	**148.00**
WHERE IN EUROPE IS CARMEN SANDIEGO? Use the CONCISE ATLAS OF EUROPE to search Europe and capture the criminal	*BRODERBUND*	AP,IB	EG,PS,SI	- - - - - -	- E M S -	**54.95**
WHERE IN USA IS CARMEN SANDIEGO? Use FODOR'S GUIDE TO THE USA to search the USA and capture the criminal	*BRODERBUND*	AP	EG,PS,SI	- D - - - -	- E M S -	**44.95**
WHERE IN WORLD IS CARMEN SANDIEGO? Use THE WORLD ALMANAC to search the world and capture the criminal	*BRODERBUND*	AP	EG,PS,SI	- D - - - -	- E M S -	**49.95**

SOCIAL SCIENCE - GOVERNMENT/POLITICAL SCIENCE

AND IF RE-ELECTED . . . Role-playing simulation involving goverment decision-making	*FOCUS*	AP,IB	SI	- - - - - -	- - M S -	**65.00**
BALANCE OF POWER Learn world politics by role-playing world powers	*MINDSCAPE*	AM,IB,MC	SI	- - - - - -	- - M S -	**59.95**
DATAQUEST: THE PRESIDENTS Data base of facts about the American presidents	*MECC*	AP	DB	- - - - - -	- - M S -	**55.00**
DECISIONS, DECISIONS: BUDGET PROCESS Simulates the issues and pressures of the federal budgeting process	*TOM SNYDER*	AP,IB	PS,SI	- E - - - -	- - M S -	**119.95**
DECISIONS, DECISIONS: FOREIGN POLICY Simulation focusing on U.S.A. foreign policy issues and decision-making process	*TOM SNYDER*	AP,IB	PS,SI	- E - - - -	- - M S -	**119.95**
NEWSWORKS APPLEWORKS data disk available free with NEWSWEEK subscription	*NEWSWEEK*	AP	DB	- - - - - -	- - M S -	**0.00**
OTHER SIDE, THE Simulates conflicts between nations; objective is to negotiate conflict and build a bridge	*TOM SNYDER*	AP,IB	PS,SI	D E - - - -	- - M S -	**69.95**
OUR TOWN MEETING Simulates negotiating for available resources; lesson in civic responsiblity	*TOM SNYDER*	AP,IB	PS,SI	- - - - - -	- - M S -	**79.95**
TO PRESERVE, PROTECT, AND DEFEND Students must protect the US Constitution the night before it is signed	*MECC*	AP	PS,SI	- - - - - -	- - M S -	**55.00**

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
US CONSTITUTION THEN AND NOW Data bases and activities for teaching constitutional issues	*SCHOLASTIC*	AP	DB,SI	- - - - - -	- - M S -	59.95
US GOVERNMENT DATA BASE A collection of data and data base activities; requires PFS: FILE/REPORT	*SCHOLASTIC*	AP,IB	DB	- D - - - -	- - M S -	99.95

SOCIAL SCIENCE - HISTORY

see also INSTRUCTIONAL TOOLS - DATA BASE *section*

49ERS, THE Simulation activity for westward expansion	*HARTLEY*	AP	EG,SI	- E - - - -	- E M - -	79.95
ARCHAEOLOGY SEARCH Team involvement for planning and problem-solving in an archeological dig simulation	*MCGRAW HILL*	AP,TR	EG,SI	- E - - - -	- - M S -	180.00
CROSSCOUNTRY USA Simulated journey combines map reading, decision-making skills, and geography	*DIDATECH*	AP	EG,PS,SI	- D - - - -	- E M S -	49.95
DECISIONS, DECISIONS: COLONIZATION Simulates colonization in the future, with historical references	*TOM SNYDER*	AP,IB	EG,PS,SI	- E - - - -	- - M S -	119.95
DECISIONS, DECISIONS: IMMIGRATION Simulation of immigration policy decision-making for uninvited refugees	*TOM SNYDER*	AP,IB	PS,SI	- E - - - -	- E M S -	119.95
DECISIONS, DECISIONS: REVOLUT. WAR Simulates responding to a revolution from the viewpoint of the government	*TOM SNYDER*	AP,IB	PS,SI	- E - - - -	- - M S -	119.95
GOLDEN SPIKE, THE Multi-media simulation of westward expansion and building of the transcontinental railroad	*NATIONAL GEO*	AP,IB	EG,PS,SI	- E - - - -	- E M - -	109.95
HOMETOWN: LOCAL AREA STUDY Students analyze demographic data relating to their own local information	*ACTIVE LEARN*	AP,IB,CO	DB,PS,SI	- D - - - -	- - M S -	148.00
IMMIGRANT APPLEWORKS data disk and lesson activities concerning Irish immigration to Boston in the 1800s	*ETC*	AP	DB	- E - - - -	- - M S -	20.00
JENNY'S JOURNEYS Apply map-reading skills to a drive through a city	*MECC*	AP	EG,PS,SI	- D - - - -	- E M - -	55.00
LINCOLN'S DECISIONS User is challenged to respond creatively to the choices that Abraham Lincoln faced as president	*ED L ACTV*	AP,CO,IB,JR,TR	SI	- E - - - -	- E M S -	63.00
OREGON TRAIL, THE Improved version of OREGON; simulates the 1850 trek west in a covered wagon	*MECC*	AP	EG,PS,SI	- D - - - -	- E M - -	55.00
RIPPLE THAT CHANGED AMER. HISTORY A timeline adventure game used to stimulate historical research	*TOM SNYDER*	AP,IB	EG	- - - - - -	- - M S -	69.95
TIME TUNNEL Simulation allows students to travel back in time and interact with famous Americans	*FOCUS*	AP,CO,IB,TR	SI	- D - - - -	- - M S -	99.00

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
TIMELINER Produces printed chronology of historical events, students' lives, etc.	*TOM SNYDER*	AP	IM	- E - - - -	- E M S T	59.95
US HISTORY DATA BASE A collection of data and data base activities; requires PFS: FILE/REPORT	*SCHOLASTIC*	AP,IB	DB	- E - - - -	- E M S -	99.95

SOCIAL SCIENCE - SOCIOLOGY

DECISIONS, DECISIONS: TELEVISION Simulation investigates the ethics of presenting violent programming for young children	*TOM SNYDER*	AP,IB,	PS,SI	- D - - - -	- - M S -	119.95
DECISIONS, DECISIONS: URBANIZATION Simulates conflict of growth versus resources versus quality of life	*TOM SNYDER*	AP,IB	PS,SI	- E - - - -	- - M S -	119.95
STICKYBEAR TOWN BUILDER Practice map skills while building twenty different towns	*OPTIMUM RES*	AP	EG,PS,SI	- D - - - -	P E - - -	39.95
SURVEY TAKER Allows development of 50-question survey to be completed on-line; results may be graphed	*SCHOLASTIC*	AP	DB,SH,TE	- D - - - -	- E M S T	29.95

TESTS AND TESTING

COMPUTER PREPARATION FOR THE SAT Practice problems to prepare for SAT exams	*HBJ*	AP,IB,TR	DP,TE	- - - - - -	- - - S -	39.95
MASTERING THE ACT Practice tests for ACT exams; for up to seven students	*MINDSCAPE*	AP,CO,IB	DP,TE	- - - - - -	- - - S -	109.95

VOCATIONAL EDUCATION/INDUSTRIAL ARTS

GLIDEPATH Simulate flight of student-designed glider over imaginary terrain that includes mountains, forests, and deserts	*HRM SOFTWR*	AP	SI	- - - - D -	- - M S -	49.95
TOY SHOP Graphics package that prints plans for 3-D toys; can be edited	*BRODERBUND*	AP,CO,IB,MC	CA,GG	- - - - - -	- - M S T	49.95

WORLD LANGUAGES - FRENCH

EN VACANCES Introduces the language and customs of traveling in the French-speaking world	*DC HEATH*	AP	DP,SI	E - - - - -	- - M S -	108.00
EN VILLE Practice giving and following directions in French	*DC HEATH*	AP	DP,SI	E - - - - -	- - - S -	108.00

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
GUIDE DE L'ENSEIGNANT Create and edit multiple choice, T-F, or short-answer exercises in any subject area	*MECC*	AP	DP,SH,TE	D - - - - -	P E M S T	**49.00**
LES SPORTS A tour of French sports and entertainment	*DC HEATH*	AP	DP,SI	D - - - - -	- - - S -	**108.00**
M-SS-NG L-NKS: LE MOT JUSTE Complete a passage that appears on the screen with letters omitted	*SUNBURST*	IB,JR	EG,PS,SH	D - - - - -	- E M S T	**69.00**
PARIS EN METRO Introduces students to the Paris Metro	*DC HEATH*	AP	DP,SI	E - - - - -	- - - S -	**108.00**
PROFESSION: DETECTIVE Explore the French language by solving this SNOOPER TROOPS mystery	*GESSLER*	AP,CO	EG	D - - - - -	P E M - -	**39.95**
TICKET TO PARIS A simulated immersion into Parisian life	*BLUE LION*	AP,CO,IB	SI	D - - - - -	- - M S -	**49.95**
UN REPAS FRANCAIS A simulation of a typical French meal	*DC HEATH*	AP	DP,SI	E - - - - -	- - - S -	**108.00**

WORLD LANGUAGES - GERMAN

M-SS-NG L-NKS: WORTSPIEL Complete a passage that appears on the screen with letters omitted	*SUNBURST*	IB,JR	EG,PS,SH	D - - - - -	- E M S T	**69.00**

WORLD LANGUAGES - SPANISH

ANAGRAMAS HISPANOAMERICANOS Geographic review; proper spelling in Spanish of capitals and countries of Latin America	*GESSLER*	AP	DP,EG	D - - - - -	- E M S -	**39.95**
EJERCICIOS DE MATEMATICAS Spanish version of MECC ELEMENTARY VOLUME 1	*MECC*	AP	DP,EG,PS	D - - - - -	P E - - -	**39.00**
EL ASISTENTE DEL INSTRUCTOR Create and edit multiple choice, T-F, or short-answer exercises in any subject area	*MECC*	AP	DP,SH,TE	D - - - - -	- E M S T	**49.00**
EL MUNDO HISPANICO Introduces various hispanic countries, their capitals, and inhabitants	*DC HEATH*	AP	DP,SI	D - - - - -	- - M S -	**132.00**
JUEGOS COMUNICATIVOS Provides a form of integrated communicative practice in Spanish	*RANDOM*	AP	DP,EG	E - - - - -	- - M S -	**59.95**
SPANISH FREDWRITER Full-featured Spanish version of FREDWRITER; requires Spanish Wiz-Chip	*EDL ACTV*	AP	WP	D - - - - -	P E M S -	**40.00**
TICKET TO SPAIN A simulated immersion into Spanish life	*BLUE LION*	AP,CO,IB	SI	D - - - - -	- - M S -	**49.95**

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TITLE	PUBLISHER	COMPUTERS	MODES	TIC GUIDE F H L M S V	GRADE LEVELS P E M S T	PRICE
UN DIA EN MADRID Introduces the culture and language of Madrid	*DC HEATH*	AP	DP,SI	D - - - - - -	- - M S -	**120.00**
UN DIA TIPICO A simulation of a typical day in Spain	*DC HEATH*	AP	DP,SI	D - - - - - -	- - M S -	**132.00**
UN VIAJE EN TREN A simulation of a train trip through a Spanish-speaking country	*DC HEATH*	AP	DP,SI	D - - - - - -	- - M S -	**132.00**
UNA FIESTA Introduces vocabulary and cultural items	*DC HEATH*	AP	DP,SI	D - - - - - -	- - M S -	**120.00**
UNA VISITA A MEXICO An exploration of Mexican culture and language	*DC HEATH*	AP	DP,SI	D - - - - - -	- - M S -	**132.00**

WORLD LANGUAGES - LANGUAGE TOOL

see also INSTRUCTIONAL TOOLS - INSTRUCTIONAL MATERIALS GENERATOR *section*

ALEXANDER Multilingual word processor that supports math, science, and music notation	*GESSLER*	IB,JR	WP	D - - - - - -	- - M S T	**245.00**
DASHER Create drills for language students with German, French, and Spanish starter disks	*CONDUIT*	AP	AU,DP,IM	D - - - - - -	- E M S T	**150.00**
GUTENBERG Text editor with French, Spanish, German, and ten other language fonts	*GESSLER*	AP,IB	WP	D - - - - - -	- - M S T	**99.00**

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TITLE	PUBLISHER	CURR. AREA	TOPIC
49ERS, THE	HARTLEY	SS	HI
816/PAINT	BAUDVILLE	AT	
A-PLUS: THE HOMEWORK SOLUTION	SAVTEK CORP	IT	SA
ACE REPORTER	MINDPLAY	LA	
ADDITION LOGICIAN	MECC	MA	NU
ADDITION MAGICIAN	TLC	MA	NU
ADOBE ILLUSTRATOR	ADOBE	AT	
ADVENTURE CONSTRUCTION SET	ELECTR ART	LA	
ADVENTURES WITH FRACTIONS	MECC	MA	NU
AGENTS OF INFECTION	PRENTICE	SC	BL
AI: EXPERIENCE ARTIFICIAL INTELLIGENCE	SCHOLASTIC	PS	
ALCOHOL 'THE PARTY	MARSHWARE	HL	
ALEXANDER	GESSLER	WL	LT
ALGE-BLASTER!	DAVIDSON	MA	AL
ALGEBRA GRAF(X)	ACTIVE LEARN	MA	AD
ALGEBRA GRAF(X)	ACTIVE LEARN	MA	AL
ALGEBRA SHOP, THE	SCHOLASTIC	MA	AL
ALGEBRAIC PROPOSER	TRUE BASIC	MA	AL
ALICE IN WONDERLAND	HRM SOFTWR	LA	
ALL SORTS OF MEGGLES	ED TECH	CS	
ALL SORTS OF MEGGLES	ED TECH	PS	
ALPHABET CIRCUS	DLM	PR	
ALPHABET EXPRESS	GAMCO	PR	
ALPHABETIC KEYBOARDING	SW PUB	BE	TY
ALPHABETIC KEYBOARDING	SW PUB	KB	
ANAGRAMAS HISPANOAMERICANOS	GESSLER	WL	SP
AND IF RE-ELECTED . . .	FOCUS	SS	GO
ANIMAL PHOTO FUN	DLM	SC	GS
ANIMATE	BRODERBUND	AT	
ANT FARM	SUNBURST	PS	
ANT FARM	SUNBURST	SC	GS
APPLE LOGO II	APPLE	CS	
APPLEWORKS	CLARIS	IT	DB
APPLEWORKS	CLARIS	IT	SD
APPLEWORKS	CLARIS	IT	WP
ARBPLOT	CONDUIT	IT	IM
ARCHAEOLOGY SEARCH	MCGRAW HILL	SS	HI
ARITHMETIC CRITTERS	MECC	MA	NU
ARNOLD	TEMPORAL	MU	
ARROW DYNAMICS	SUNBURST	PS	
ATARILAB STARTER SET	ATARI	SC	ES
ATARILAB STARTER SET	ATARI	SC	SM
AUTHOR! AUTHOR!	MINDPLAY	LA	
AUTOMATED ACCOUNTING	SW PUB	BE	AC
AWARD MAKER PLUS	BAUDVILLE	IT	GG
BAKE AND TASTE	MINDPLAY	MA	GM
BALANCE OF POWER	MINDSCAPE	SS	GO
BANK STREET FILER	BRODERBUND	IT	DB
BANK STREET MUSICWRITER	MINDSCAPE	IT	IM
BANK STREET MUSICWRITER	MINDSCAPE	MU	
BANK STREET SCHOOL FILER	SUNBURST	IT	DB
BANK STREET SCHOOL FILER: ENDANGERED	SUNBURST	SC	BL
BANK STREET SCHOOL FILER: ENDANGERED	SUNBURST	SC	EE
BANK STREET SCHOOL FILER: NORTH AM.	SUNBURST	SS	GE
BANK STREET SCHOOL FILER: SPACE	SUNBURST	SC	AY
BANK STREET SCHOOL FILER: U.S.	SUNBURST	SS	GE
BANK STREET STORYBOOK	MINDSCAPE	IT	WP
BANK STREET WRITER III	SCHOLASTIC	IT	WP
BANK STREET WRITER III	SCHOLASTIC	LA	
BANK STREET WRITER PLUS	BRODERBUND	IT	WP
BASIC MATH FACTS	HOUGHTON	MA	NU
BASICS OF BASIC	FOCUS	CS	
BE A WRITER!	SUNBURST	LA	
BIOFEEDBACK MICROLAB	HRM SOFTWR	SC	BL
BIRDBREED	EDUTECH	SC	BL
BLAZING PADDLES	BAUDVILLE	AT	
BLAZING PADDLES	BAUDVILLE	IT	GG
BODY ELECTRIC	HRM SOFTWR	HL	
BODY ELECTRIC	HRM SOFTWR	SC	BL
BODY ELECTRIC	HRM SOFTWR	SC	SM
BODY TRANSPARENT	BRITANNICA	SC	BL
BOOK WORM	MECC	LM	
BOTANICAL GARDENS	SUNBURST	SC	BL
BOX SOLVES STORY PROBLEMS	SVE	MA	NU
BUILDING PERSPECTIVE	SUNBURST	MA	GM
BUILDING PERSPECTIVE	SUNBURST	PS	
BUMBLE GAMES	TLC	MA	GM
BUMBLE GAMES	TLC	PS	
BUMBLE PLOT	TLC	MA	GM
BUMBLE PLOT	TLC	PS	
CACTUSPLOT: A MATHEMATICS UTILITY	CACTUSPLOT	MA	AL
CALCULUS	BRODERBUND	MA	AD
CALENDAR CRAFTER	MECC	IT	GG
CALLIOPE	INNOVISION	IT	WP
CALLIOPE	INNOVISION	PS	
CARDIOVASCULAR FITNESS LAB	HRM SOFTWR	SC	BL
CARDIOVASCULAR FITNESS LAB	HRM SOFTWR	SC	SM
CATGEN	CONDUIT	SC	BL
CELL FUNCTIONS: GROWTH AND MITOSIS	IBM	SC	BL

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TITLE	PUBLISHER	CURR. AREA	TOPIC
CERTIFICATE MAKER	SPRINGBOARD	AT	
CERTIFICATE MAKER	SPRINGBOARD	IT	IM
CHALLENGE MATH	SUNBURST	MA	NU
CHANGING EARTH, THE	DC HEATH	SC	ES
CHARIOTS, COUGARS, AND KINGS	HARTLEY	LA	
CHEM LAB SIMULATIONS 1	HIGH TECH	SC	CH
CHEM LAB SIMULATIONS 2	HIGH TECH	SC	CH
CHEMICALS OF LIFE I: STRUCTURE	IBM	SC	CH
CIRCUIT LAB	MARK DAVIDS	SC	PH
CIRCULATION AND DIGESTION	MILLIKEN	SC	BL
CIRCUS MATH	MECC	MA	NU
CLASSIFICATION OF LIVING THINGS	ED'L ACTV	SC	BL
CLASSIFYING ANIMALS WITH BACKBONES	DC HEATH	SC	BL
CLIP ART COLLECTION V.1	SPRINGBOARD	IT	GG
CLIP ART COLLECTION V.1	SPRINGBOARD	IT	IM
CLIP ART COLLECTION V.2	SPRINGBOARD	IT	GG
CLIP ART COLLECTION V.2	SPRINGBOARD	IT	IM
CLOCK	HARTLEY	MA	GM
CLOCK WORKS	MECC	MA	GM
CODE QUEST	SUNBURST	PS	
COLOR ME: COMPUTER COLORING KIT	MINDSCAPE	AT	
COLOR ME: COMPUTER COLORING KIT	MINDSCAPE	IT	GG
COLORTROPE	HRM SOFTWR	SC	SM
COMBINING THE ELEMENTS	DC HEATH	SC	CH
COMBINING THE ELEMENTS	DC HEATH	SC	GS
COMMODORE LOGO	COMMODORE	CS	
COMPARISON KITCHEN	DLM	LA	
COMPARISON KITCHEN	DLM	PR	
COMPARISON KITCHEN	DLM	PS	
COMPUTER CROSSROADS	ED'L ACTV	LA	
COMPUTER PREPARATION FOR THE SAT	HBJ	TE	
CONCEPTOR	MENTOR LRN	PS	
CONCERTWARE+	GREAT WAVE	MU	
CONQUERING WHOLE NUMBERS	MECC	MA	NU
COUNTERS	SUNBURST	PR	
COUNTING CRITTERS	MECC	MA	NU
COUNTING CRITTERS	MECC	PR	
CREATE WITH GARFIELD	DLM	AT	
CREATE WITH GARFIELD	DLM	IT	GG
CREATE WITH GARFIELD	DLM	LA	
CREATE-A-BASE	MECC	CS	
CREATE-A-BASE	MECC	IT	DB
CREATIVITY UNLIMITED	SUNBURST	AT	
CREATIVITY UNLIMITED	SUNBURST	MA	GM
CREATIVITY UNLIMITED	SUNBURST	PS	
CRICKET DRAW	CRICKET SW	AT	
CRICKET DRAW	CRICKET SW	IT	GG
CRICKET DRAW	CRICKET SW	IT	IM
CRICKET GRAPH	CRICKET SW	IT	GG
CRICKET GRAPH	CRICKET SW	IT	IM
CROSSCOUNTRY CALIFORNIA	DIDATECH	SS	GE
CROSSCOUNTRY CANADA	DIDATECH	PS	
CROSSCOUNTRY CANADA	DIDATECH	SS	GE
CROSSCOUNTRY TEXAS	DIDATECH	SS	GE
CROSSCOUNTRY USA	DIDATECH	PS	
CROSSCOUNTRY USA	DIDATECH	SS	GE
CROSSCOUNTRY USA	DIDATECH	SS	HI
CROSSWORD MAGIC	MINDSCAPE	IT	IM
CROSSWORD MAGIC	MINDSCAPE	LA	
CSL MARKS	CHANCERY SOF	IT	CM
CUBE BUILDER	HRM SOFTWR	MA	GM
CUBE BUILDER	HRM SOFTWR	PS	
DASHER	CONDUIT	WL	LT
DATAQUEST: COMPOSER	MECC	CS	
DATAQUEST: COMPOSER	MECC	IT	DB
DATAQUEST: SAMPLER	MECC	CS	
DATAQUEST: THE FIFTY STATES	MECC	SS	GE
DATAQUEST: THE PRESIDENTS	MECC	SS	GO
DAZZLE DRAW	BRODERBUND	AT	
DBASE	ASHTON TATE	IT	DB
DECIMAL DISCOVERY	DLM	MA	NU
DECISIONS, DECISIONS SERIES	TOM SNYDER	PS	
DECISIONS, DECISIONS: BUDGET PROCESS	TOM SNYDER	SS	GO
DECISIONS, DECISIONS: COLONIZATION	TOM SNYDER	SS	HI
DECISIONS, DECISIONS: FOREIGN POLICY	TOM SNYDER	SS	GO
DECISIONS, DECISIONS: IMMIGRATION	TOM SNYDER	SS	HI
DECISIONS, DECISIONS: REVOLUT. WAR	TOM SNYDER	SS	HI
DECISIONS, DECISIONS: TELEVISION	TOM SNYDER	SS	SO
DECISIONS, DECISIONS: URBANIZATION	TOM SNYDER	SS	SO
DELTA DRAWING	SPINNAKER	AT	
DELTA DRAWING	SPINNAKER	IT	GG
DINOSAUR DAYS	TYC	SC	BL
DINOSAUR DIG	MINDSCAPE	SC	BL
DINOSAUR DIG	MINDSCAPE	SC	GS
DINOSAURS	ADV ID	PR	
DINOSAURS AND SQUIDS	SCOTT FORS	MA	ST
DINOSAURS AND SQUIDS	SCOTT FORS	PS	
DISCOVERY LAB	MECC	PS	
DISCOVERY LAB	MECC	SC	GS
DISCOVERY LAB	MECC	SC	SM

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TITLE	PUBLISHER	CURR. AREA	TOPIC
DISCOVERY: EXPERIENCES W/SCI REASON	MILLIKEN	PS	
DISCOVERY: EXPERIENCES W/SCI REASON	MILLIKEN	SC	GS
DISCOVERY: EXPERIENCES W/SCI REASON	MILLIKEN	SC	SM
DISCRIMINATION ATTRIBUTES AND RULES	SUNBURST	PS	
DISNEY DESIGN STUDIO	SUNBURST	AT	
DOREMI	TEMPORAL	MU	
DRAW-IT	PAPERBACK	AT	
EARLY ADDITION	MECC	MA	NU
EARLY GAMES FOR YOUNG CHILDREN	SPRINGBOARD	PR	
EARLY GAMES MATCHMAKER	SPRINGBOARD	PR	
EARTHQUAKES	IBM	SC	ES
EASY GRAPH	GROLIER	IT	GG
EASY GRAPH II	GROLIER	MA	ST
EDUCALC	GROLIER	IT	SD
EDUCALC	GROLIER	MA	AL
EDUCALC	GROLIER	MA	NU
EDUCALC TEMPLATES	GROLIER	MA	AL
EDUCALC TEMPLATES	GROLIER	MA	NU
EJERCICIOS DE MATEMATICAS	MECC	WL	SP
EL ASISTENTE DEL INSTRUCTOR	MECC	WL	SP
EL MUNDO HISPANICO	DC HEATH	WL	SP
ELECTRIC POET	IBM	AT	
ELECTRIC POET	IBM	IT	AU
ELECTRIC WRITING	CREATIVE PUB	LA	
ELECTRONIC MAILBAG	EXSYM	IT	TC
ELECTRONIC MONEY	MECC	BE	EN
ELECTRONIC MONEY	MECC	SS	EC
ELECTRONIC VILLAGE	EXSYM	IT	TC
ELLEN NELSON MATH 1	DECISION	MA	NU
EN VACANCES	DC HEATH	WL	FR
EN VILLE	DC HEATH	WL	FR
ENCHANTED FOREST, THE	SUNBURST	MA	GM
ENCHANTED FOREST, THE	SUNBURST	PS	
ENGLISH ACHIEVEMENT I-V	MINDSCAPE	LA	
ENVIRONMENT I: HABITATS ECOSYSTEMS	IBM	SC	EE
ENZYME INVESTIGATIONS	HRM SOFTWR	SC	CH
EQUATIONS I	MINDSCAPE	MA	AL
EQUATIONS II	MINDSCAPE	MA	AL
ERNIE'S MAGIC SHAPES	MINDSCAPE	PR	
EXCEL	MICROSOFT	IT	SD
EXPERIMENTS IN CHEMISTRY	HRM SOFTWR	SC	CH
EXPERIMENTS IN COLORIMETRY	HRM SOFTWR	SC	CH
EXPERIMENTS IN HUMAN PHYSIOLOGY	HRM SOFTWR	SC	BL
EXPERIMENTS IN SCIENCE	HRM SOFTWR	SC	BL
EXPERIMENTS IN SCIENCE	HRM SOFTWR	SC	CH
EXPERIMENTS IN SCIENCE	HRM SOFTWR	SC	ES
EXPERIMENTS IN SCIENCE	HRM SOFTWR	SC	PH
EXPLORE-A-SCIENCE: TYRANNOSAURUS	DC HEATH	SC	BL
EXPLORE-A-STORY SERIES	DC HEATH	LA	
EXPLORER METROS	SUNBURST	MA	GM
EXPLORING TABLES AND GRAPHS I	OPTIMUM RES	MA	AL
EXPLORING TABLES AND GRAPHS I	OPTIMUM RES	MA	ST
EXPLORING TABLES AND GRAPHS II	OPTIMUM RES	MA	AL
EXPLORING TABLES AND GRAPHS II	OPTIMUM RES	MA	ST
EXPRESSION WRITER	HRM SOFTWR	MA	AL
EXPRESSION WRITER	HRM SOFTWR	MA	NU
EXPRESSIONIST	ALLEN BONADI	MA	AD
EXPRESSIONIST	ALLEN BONADI	MA	AL
EZ LOGO	MECC	CS	
EZ LOGO	MECC	PS	
FACEMAKER	SPINNAKER	AT	
FACTORING ALGEBRAIC EXPRESSIONS	MINDSCAPE	MA	AL
FACTORY, THE	SUNBURST	MA	GM
FACTORY, THE	SUNBURST	PS	
FACTORY, THE	SUNBURST	SS	EC
FANTAVISION	BRODERBUND	AT	
FANTAVISION	BRODERBUND	IT	GG
FAST TRACK FRACTIONS	DLM	MA	NU
FAY'S WORD RALLY	DIDATECH	LA	
FILEMAKER	NASHOBA	IT	DB
FIRST CHOICE	MEIZNER	IT	WP
FIRST DRAFT	SCHOLASTIC	IT	WP
FIRST DRAFT	SCHOLASTIC	LA	
FIRST R	MILLIKEN	PR	
FIRST-LETTER FUN	MECC	LA	
FIRST-LETTER FUN	MECC	PR	
FISH SCALES	DLM	MA	GM
FISH SCALES	DLM	PR	
FLYING CARPET, THE	LRNG TECH	PS	
FOR YOUR NEXT ADVENTURE	SUNBURST	CS	
FORECAST	MINDSCAPE	SC	ES
FRACTION CONCEPTS, INC.	MECC	MA	NU
FRACTION MUNCHERS	MECC	MA	NU
FRACTION PRACTICE UNLIMITED	MECC	MA	NU
FRACTIONS: ADDITION AND SUBTRACTION	HOUGHTON	MA	NU
FRACTIONS: BASIC SKILLS	HOUGHTON	MA	NU
FREDWRITER	SOFTSWAP	IT	WP
FREDWRITER	SOFTSWAP	LA	
FREQUENCY METER	VERNIER	SC	SM
FRIENDLY COMPUTER, THE	MECC	CS	

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TITLE	PUBLISHER	CURR. AREA	TOPIC
FRIENDLY FILER	*GROLIER*	CS	
FRIENDLY FILER	*GROLIER*	IT	DB
FULLPAINT	*ASHTON TATE*	AT	
FUN FROM A TO Z	*MECC*	LA	
FUN FROM A TO Z	*MECC*	PR	
FUN HOUSE MAZE	*SUNBURST*	PS	
GAME SHOW, THE	*ADV ID*	PS	
GAMEFRAME: ONE AND TWO	*HOUGHTON*	MA	NU
GEARS	*SUNBURST*	MA	NU
GEARS	*SUNBURST*	PS	
GENETICS	*MECC*	SC	BL
GEOMETRIC PRESUPPOSER	*SUNBURST*	MA	GM
GEOMETRIC SUPPOSER: CIRCLES	*SUNBURST*	MA	GM
GEOMETRIC SUPPOSER: QUADRILATERALS	*SUNBURST*	MA	GM
GEOMETRIC SUPPOSER: TRIANGLES	*SUNBURST*	MA	GM
GEOMETRY	*BRODERBUND*	MA	GM
GEOMETRY ALIVE!	*ED'L ACTV*	MA	GM
GEOWORLD	*TOM SNYDER*	PS	
GEOWORLD	*TOM SNYDER*	SS	EC
GEOWORLD	*TOM SNYDER*	SS	GE
GERTRUDE'S PUZZLES	*TLC*	PR	
GERTRUDE'S PUZZLES	*TLC*	PS	
GERTRUDE'S SECRETS	*TLC*	PR	
GERTRUDE'S SECRETS	*TLC*	PS	
GETTING READY TO READ AND ADD	*SUNBURST*	LA	
GETTING READY TO READ AND ADD	*SUNBURST*	PR	
GHOST WRITER	*MECC*	IT	WP
GHOST WRITER	*MECC*	LA	
GLIDEPATH	*HRM SOFTWR*	SC	PH
GLIDEPATH	*HRM SOFTWR*	VE	
GNEE OR NOT GNEE	*SUNBURST*	PS	
GOLDEN SPIKE, THE	*NATIONAL GEO*	SS	HI
GPLE: GLOBAL PROGRAM LINE EDITOR	*BEAGLE BRO*	CS	
GRAMMAR GREMLINS	*DAVIDSON*	LA	
GRAPHICAL ANALYSIS III	*VERNIER*	MA	AD
GRAPHICAL ANALYSIS III	*VERNIER*	SC	SM
GRAPHICS EXPANDER V.1	*SPRINGBOARD*	AT	
GRAPHICWORKS	*MINDSCAPE*	AT	
GRAPHICWORKS	*MINDSCAPE*	IT	GG
GRAPHING EQUATIONS	*CONDUIT*	MA	AL
GREEN GLOBS AND GRAPHING EQUATIONS	*SUNBURST*	MA	AL
GROUND WATER	*IBM*	SC	ES
GUIDE DE L'ENSEIGNANT	*MECC*	WL	FR
GUTENBERG	*GESSLER*	WL	LT
HARMONIOUS DICTATOR	*TEMPORAL*	MU	
HEALTH AWARENESS GAMES	*HRM SOFTWR*	HL	
HEART ABNORMALITIES AND EKGs	*FOCUS*	HL	
HEART ABNORMALITIES AND EKGs	*FOCUS*	SC	BL
HEAT AND TEMPERATURE	*HRM SOFTWR*	SC	GS
HEAT AND TEMPERATURE	*HRM SOFTWR*	SC	SM
HEAT ENERGY	*DC HEATH*	SC	ES
HEATH SCIENCE: EXPLORING HEAT	*DC HEATH*	SC	GS
HEATH SCIENCE: EXPLORING MATTER	*DC HEATH*	SC	GS
HIDE 'N SEQUENCE	*SUNBURST*	PS	
HIGH WIRE LOGIC	*SUNBURST*	PS	
HINKY PINKY GAME	*MINDSCAPE*	LA	
HOMETOWN: LOCAL AREA STUDY	*ACTIVE LEARN*	CS	
HOMETOWN: LOCAL AREA STUDY	*ACTIVE LEARN*	PS	
HOMETOWN: LOCAL AREA STUDY	*ACTIVE LEARN*	SS	HI
HOMEWORKER	*DAVIDSON*	IT	SA
HOT DOG STAND	*SUNBURST*	PS	
HOT DOG STAND	*SUNBURST*	SS	EC
HOW CAN I FIND IT?	*SUNBURST*	LM	
HOW THE WEST WAS ONE + THREE x FOUR	*SUNBURST*	MA	NU
HOW TO BUILD A BETTER MOUSETRAP	*VERNIER*	SC	SM
HUMAN GENETIC DISORDERS	*HRM SOFTWR*	SC	BL
HYDROLOGIC CYCLE	*IBM*	SC	ES
HYPERCARD	*APPLE*	IT	AU
HYPERCARD	*APPLE*	IT	DB
HYPERCARD	*APPLE*	IT	GG
[illegible] WRITE!	*SUNBURST*	LA	
[illegible] LOGO	*IBM*	CS	
IGGY'S GNEES	*SUNBURST*	PS	
II WRITE	*RANDOM*	IT	WP
IMMIGRANT	*ETC*	SS	HI
INCREDIBLE LABORATORY, THE	*SUNBURST*	PS	
INCREDIBLE LABORATORY, THE	*SUNBURST*	SC	SM
INFORMATION CONNECTION	*GROLIER*	IT	TC
INFORMATION CONNECTION	*GROLIER*	LM	
INFORMATION LAB SOFTWARE:EARTH SC	*ADD WES*	SC	ES
INTEGRATED ACCOUNTING	*BEDFORD SOFT*	BE	AC
INTERPRETING GRAPHS	*SUNBURST*	MA	AL
INTRO TO GENERAL CHEMISTRY	*COMPRESS*	SC	CH
INVESTIGATING ACCELERATION	*IBM*	SC	PH
INVESTIGATING ELECTRIC FIELDS	*IBM*	SC	PH
INVESTIGATING GRAVITATIONAL FORCE	*IBM*	SC	PH
JACK AND THE BEANSTALK	*HRM SOFTWR*	LA	
JAM SESSION	*BRODERBUND*	MU	
JAZZ DICTATOR	*TEMPORAL*	MU	
JENNY'S JOURNEYS	*MECC*	PS	

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TITLE	PUBLISHER	CURR. AREA	CURR. TOPIC
JENNYS JOURNEYS	MECC	SS	HI
JUEGOS COMUNICATIVOS	RANDOM	WL	SP
JUGGLES' RAINBOW	TLC	PR	
KAREL THE ROBOT	WILEY	CS	
KEYBOARD CADET	MINDSCAPE	KB	
KEYBOARDING MASTER	MECC	KB	
KEYBOARDING PRIMER	MECC	KB	
KINDERCOMP	SPINNAKER	PR	
KING'S RULE, THE	SUNBURST	MA	AL
KING'S RULE, THE	SUNBURST	MA	NU
KING'S RULE, THE	SUNBURST	PS	
KOALAPAINTER	PTI-KOALA	AT	
KOALAPAINTER	PTI-KOALA	IT	GG
KRELL LOGO	KRELL	CS	
LEARNING ABOUT NUMBERS	C & C SOFT	PR	
LEARNING THROUGH LOGO	SUNBURST	CS	
LEARNING TO COPE WITH PRESSURE	SUNBURST	HL	
LEGO TC LOGO	LEGO	PS	
LES SPORTS	DC HEATH	WL	FR
LETTERS AND FIRST WORDS	C & C SOFT	LA	
LETTERS AND FIRST WORDS	C & C SOFT	PR	
LETTERS AND WORDS	MINDSCAPE	PR	
LIFE IN THE OCEAN	DC HEATH	SC	ES
LIFE IN THE OCEAN	DC HEATH	SC	GS
LIFE SCIENCE DATA BASE	SCHOLASTIC	SC	BL
LIGHT LAB	CREATIVE TEC	SC	PH
LIGHT LAB	CREATIVE TEC	SC	SM
LIGHT, PLANTS AND PHOTOSYNTHESIS	IBM	SC	BL
LINCOLN'S DECISIONS	LD L ACTV	SS	HI
LISTEN TO LEARN	IBM	LA	
LOGIC BUILDERS	SCHOLASTIC	PS	
LOGOWORKS	TERRAPIN	CS	
LOGOWRITER	LCSI	CS	
LOGOWRITER	LCSI	LA	
LOGOWRITER	LCSI	PS	
LOTUS 1-2-3	LOTUS	IT	DB
LOTUS 1-2-3	LOTUS	IT	SD
LOTUS 1-2-3	LOTUS	IT	WP
M-SS-NG L-NKS: CLASSICS	SUNBURST	LA	
M-SS-NG L-NKS: ENGLISH EDITOR	SUNBURST	LA	
M-SS-NG L-NKS: LE MOT JUSTE	SUNBURST	WL	FR
M-SS-NG L-NKS: MICRO ENCYCLOPEDIA	SUNBURST	LA	
M-SS-NG L-NKS: WORTSPIEL	SUNBURST	WL	GR
M-SS-NG L-NKS: YOUNG PEOPLE'S LIT	SUNBURST	LA	
MAC 3D	CHALLENGER	AT	
MAC ART DEPARTMENT	SIMON & SCHU	IT	GG
MAC PROOF	A.L.P.S.	IT	WP
MACDRAW	CLARIS	AT	
MACHINES AND FORCE	DC HEATH	SC	GS
MACPAINT	CLARIS	AT	
MACPAINT	CLARIS	IT	GG
MACTERMINAL	CLARIS	IT	TC
MACVISION	PTI-KOALA	AT	
MACWRITE	CLARIS	IT	WP
MAGIC PIANO	EDUSOFT	MU	
MAGIC SLATE	SUNBURST	IT	WP
MAGIC SLATE	SUNBURST	LA	
MARKET PLACE, THE	MECC	BE	EN
MARKET PLACE, THE	MECC	MA	NU
MARKET PLACE, THE	MECC	SS	EC
MASTER SPELL	MECC	LA	
MASTERING MATH SERIES	MECC	MA	NU
MASTERING THE ACT	MINDSCAPE	TE	
MASTERTYPE	MINDSCAPE	KB	
MASTERTYPE'S FILER	MINDSCAPE	IT	DB
MATH ACTIVITIES COURSEWARE LV.1-8	HOUGHTON	MA	NU
MATH PRACTICE LV.I	IBM	MA	NU
MATH RABBIT	TLC	MA	NU
MATH SEQUENCES, REVISED	MILLIKEN	MA	AL
MATH SEQUENCES, REVISED	MILLIKEN	MA	NU
MATH SHOP, THE	SCHOLASTIC	MA	NU
MATH WORD PROBLEMS	OPTIMUM RES	MA	NU
MATH WORLDS: SAMPLING	DC HEATH	MA	ST
MATH WORLDS: STRATEGIES I AND II	DC HEATH	MA	NU
MATH: SOLVING STORY PROBLEMS LV.3-8	HOUGHTON	MA	NU
MATHGRAPHER	HRM SOFTWR	MA	AL
MATHTYPE	DESIGN SCI	MA	AD
MECC GRAPH	MECC	IT	GG
MECC GRAPH	MECC	MA	ST
MECC GRAPHING PRIMER	MECC	IT	GG
MECC GRAPHING PRIMER	MECC	MA	ST
MECC SPELLER	MECC	IT	SK
MECC WRITE START	MECC	LA	
MECC WRITER	MECC	IT	WP
MELODIOUS DICTATOR	TEMPORAL	MU	
MEMORY CASTLE	SUNBURST	PS	
MEMORY: A FIRST STEP	SUNBURST	PS	
MENDELIAN GENETICS	IBM	SC	BL
METEOR MISSION	DLM	MA	NU
METEOR MULTIPLICATION	DLM	MA	NU

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TITLE	PUBLISHER	CURR. AREA	TOPIC
MICRO GARDENER	*ED'L ACTV*	SC	BL
MICRO GARDENER	*ED'L ACTV*	SC	ES
MICROSOFT MU-MATH	*MICROSOFT*	MA	AD
MICROSOFT MU-MATH	*MICROSOFT*	MA	AL
MICROSOFT WORD	*MICROSOFT*	IT	WP
MICROSOFT WORKS	*MICROSOFT*	IT	DB
MICROSOFT WORKS	*MICROSOFT*	IT	SD
MICROSOFT WORKS	*MICROSOFT*	IT	TC
MICROSOFT WORKS	*MICROSOFT*	IT	WP
MICROTYPE: WONDERFUL WORLD OF PAWS	*SW PUB*	KB	
MICROZINE SUBSCRIPTION	*SCHOLASTIC*	EP	
MILLIKEN WORD PROCESSOR	*MILLIKEN*	IT	WP
MIND PUZZLES	*MECC*	PS	
MINDSTRETCHER SERIES	*ISL SOFTWR*	PS	
MIRRORS ON THE MIND-STATISTICS	*ADD WES*	MA	ST
MIRRORS ON THE MIND-STRATEGIES	*ADD WES*	MA	ST
MOLEC: MOLECULAR MODELING	*COMPRESS*	SC	CH
MONEY AND TIME ADVENTURES LOLLIPOP	*SVE*	MA	GM
MONEY AND TIME ADVENTURES LOLLIPOP	*SVE*	MA	NU
MONEY WORKS	*MECC*	MA	NU
MONEY! MONEY!	*HARTLEY*	MA	NU
MOPTOWN HOTEL	*TLC*	PR	
MOPTOWN HOTEL	*TLC*	PS	
MOPTOWN PARADE	*TLC*	PR	
MOPTOWN PARADE	*TLC*	PS	
MORE	*LIV TEXT*	IT	WP
MOTION	*HRM SOFTWR*	SC	PH
MOUSE PAINT	*CLARIS*	IT	GG
MOVING MOLECULES	*HRM SOFTWR*	SC	CH
MOVING MOLECULES	*HRM SOFTWR*	SC	PH
MR. PIXEL'S CARTOON KIT	*MINDSCAPE*	AT	
MR. PIXEL'S PROGRAMMING PAINT SET	*MINDSCAPE*	AT	
MULTIPLICATION PUZZLES	*MECC*	MA	NU
MULTISCRIBE	*SCHOLASTIC*	IT	WP
MULTISCRIBE GS	*SCHOLASTIC*	IT	WP
MUPPET SLATE	*SUNBURST*	PR	
MUPPET WORD BOOK THE	*SUNBURST*	PR	
MUPPET WORD BOOK, THE	*SUNBURST*	LA	
MUPPETS ON STAGE	*SUNBURST*	PR	
MUPPETVILLE	*SUNBURST*	LA	
MUPPETVILLE	*SUNBURST*	PR	
MUSIC CONSTRUCTION SET	*ELECTR ART*	MU	
MUSIC DETECTIVE, THE	*TEMPORAL*	MU	
MUSIC FUNDAMENTALS I	*SILVER*	MU	
MUSIC SHOP	*BRODERBUND*	MU	
MUSIC STUDIO	*MEDIAGENIC*	MU	
MUSIC THEORY	*MECC*	MU	
MUSICWORKS	*SPINNAKER*	MU	
NEWBERY ADVENTURE: CHARLOTTE'S WEB	*SUNBURST*	LA	
NEWBERY ADVENTURE: WRINKLE IN TIME	*SUNBURST*	LA	
NEWSQUEST	*TIME*	EP	
NEWSROOM	*SCHOLASTIC*	AT	
NEWSROOM	*SPRINGBOARD*	IT	IM
NEWSROOM CLIP ART V.1	*SCHOLASTIC*	AT	
NEWSROOM PRO	*SPRINGBOARD*	IT	IM
NEWSWORKS	*NEWSWEEK*	SS	GO
NOW HEAR THIS	*MARSHWARE*	HL	
NOW HEAR THIS	*MARSHWARE*	SC	BL
NUMBER FARM	*DLM*	MA	NU
NUMBER FARM	*DLM*	PR	
NUMBER MUNCHERS	*MECC*	MA	NU
NUMBER SEA HUNT	*GAMCO*	MA	NU
ODELL LAKE	*MECC*	PS	
ODELL LAKE	*MECC*	SC	GS
OH, DEER!	*MECC*	PS	
OH, DEER!	*MECC*	SC	EE
ONE WORLD: COUNTRIES DATA BASE	*ACTIVE LEARN*	SS	GE
OPTICS ON COMPUTER: PHYSICAL SCIENCE	*FOCUS*	SC	PH
OREGON TRAIL, THE	*MECC*	PS	
OREGON TRAIL, THE	*MECC*	SS	HI
OTHER SIDE, THE	*TOM SNYDER*	PS	
OTHER SIDE, THE	*TOM SNYDER*	SS	EC
OTHER SIDE, THE	*TOM SNYDER*	SS	GO
OUR TOWN MEETING	*TOM SNYDER*	SS	GO
PAGEMAKER	*ALDUS*	AT	
PAGEMAKER	*ALDUS*	IT	IM
PAINT WITH WORDS	*MECC*	LA	
PAINT WITH WORDS	*MECC*	PR	
PAINTWORKS PLUS	*MEDIAGENIC*	AT	
PAINTWORKS PLUS	*MEDIAGENIC*	IT	GG
PARIS EN METRO	*DC HEATH*	WL	FR
PATHFINDER	*SUNBURST*	MA	GM
PATHOLOGY: DISEASES AND DEFENSES	*IBM*	SC	BL
PATTERNMAKER	*MINDSCAPE*	AT	
PC STORYBOARD	*IBM*	IT	IM
PERIODIC TABLE: COMPUTER ASSISTED	*COMPRESS*	SC	CH
PERPLEXING PUZZLES	*HARTLEY*	LA	
PFS: GRAPH	*SCHOLASTIC*	IT	GG
PFS: WRITE	*SCHOLASTIC*	IT	WP
PHONICS PRIME TIME: BLENDS AND DIGRA.	*MECC*	LA	

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PHONICS PRIME TIME: FINAL CONSONANTS	*MECC*	LA	
PHONICS PRIME TIME: INITIAL CONSONANTS	*MECC*	LA	
PHONICS PRIME TIME: VOWELS I	*MECC*	LA	
PHONICS PRIME TIME: VOWELS II	*MECC*	LA	
PHYSICAL SCIENCE DATA BASE	*SCHOLASTIC*	SC	CH
PHYSICAL SCIENCE DATA BASE	*SCHOLASTIC*	SC	GS
PIC-BUILDER	*OPTIMUM RES*	AT	
PICTURE PERFECT	*MINDPLAY*	AT	
PIECE OF CAKE MATH	*SPRINGBOARD*	MA	NU
PINBALL CONSTRUCTION SET	*ELECTR ART*	PS	
PLANE VIEW	*SUNBURST*	MA	GM
PLANETARY CONSTRUCTION SET	*SUNBURST*	PS	
PLANETARY CONSTRUCTION SET	*SUNBURST*	SC	AY
PLAYWRITER'S THEATER	*ED TECH*	LA	
PLAYWRITER: SERIES	*GROLIER*	LA	
POETRY EXPRESS	*MINDSCAPE*	LA	
POLYWRITER	*PASSPORT*	MU	
POND, THE	*SUNBURST*	MA	NU
POND, THE	*SUNBURST*	PS	
POWER POINT	*MICROSOFT*	IT	IM
PRACTICAL THEORY	*ALFRED MUSIC*	MU	
PRIMARY WORDMATH	*MILLIKEN*	MA	NU
PRINCIPAL'S ASSISTANT	*MINDSCAPE*	IT	GG
PRINT MAGIC	*EPYX*	IT	GG
PRINT SHOP	*BRODERBUND*	AT	
PRINT SHOP	*BRODERBUND*	IT	GG
PRINT SHOP COMPANION	*BRODERBUND*	AT	
PRINT SHOP GRAPHICS IIGS LIBRARY	*BRODERBUND*	IT	GG
PRINT SHOP GRAPHICS LIBRARY	*BRODERBUND*	AT	
PRINT SHOP GRAPHICS LIBRARY 3	*BRODERBUND*	AT	
PROBLEM SOLVING COMPUTER CW LV.5-8	*MCGRAW HILL*	MA	NU
PROBLEM SOLVING COMPUTER CW LV.K-4	*MCGRAW HILL*	MA	NU
PROBLEM-SOLVING STRATEGIES	*MECC*	PS	
PROFESSION: DETECTIVE	*GESSLER*	WL	FR
PROFESSIONAL SIGN MAKER	*SUNBURST*	IT	GG
PROFESSIONAL SIGN MAKER	*SUNBURST*	IT	IM
PROJECT ZOO	*NATIONAL GEO*	MA	ST
PROJECT ZOO	*NATIONAL GEO*	SC	GS
PSYCH LAB	*HRM SOFTWR*	SC	GS
PUZZLE MASTER	*SHENANDOAH*	IT	IM
PUZZLE TANKS	*SUNBURST*	MA	NU
PUZZLE TANKS	*SUNBURST*	PS	
PUZZLER	*SUNBURST*	LA	
PUZZLES AND POSTERS	*MECC*	IT	IM
QUATIONS	*SCHOLASTIC*	MA	AL
QUATIONS	*SCHOLASTIC*	PS	
QUICKFLASH	*MECC*	IT	IM
QUOTIENT QUEST	*MECC*	MA	NU
READER RABBIT	*TLC*	LA	
READING FOR INFORMATION LV. II-IV	*IBM*	LA	
READING FOR MEANING LV. I-IV	*IBM*	LA	
READING WORKSHOP, THE	*MINDSCAPE*	LA	
READY, SET, GO	*LETRASET USA*	IT	GG
RED RYDER	*FREESOFT*	IT	TC
REGROUPING	*SUNBURST*	PS	
RIGHT TURN, THE	*SUNBURST*	MA	GM
RIPPLE THAT CHANGED AMERICAN HISTORY	*TOM SNYDER*	SS	HI
ROBOT ODYSSEY	*TLC*	PS	
ROCKY'S BOOTS	*TLC*	PS	
ROYAL RULES	*SUNBURST*	MA	AL
ROYAL RULES	*SUNBURST*	MA	NU
ROYAL RULES	*SUNBURST*	PS	
SAFARI SEARCH	*SUNBURST*	PS	
SAILING THROUGH STORY PROBLEMS	*DLM*	MA	NU
SALINA MATH GAMES	*EDL ACTV*	MA	NU
SCHOLASTIC'S PFS: FILE AND REPORT	*SCHOLASTIC*	CS	
SCHOLASTIC'S PFS: FILE AND REPORT	*SCHOLASTIC*	IT	DB
SCIENCE#1: THE ENVIRONMENT	*DECISION*	SC	EE
SCIENCE TOOL KIT 1: SPEED/MOTION	*BRODERBUND*	SC	GS
SCIENCE TOOL KIT 1: SPEED/MOTION	*BRODERBUND*	SC	PH
SCIENCE TOOL KIT 1: SPEED/MOTION	*BRODERBUND*	SC	SM
SCIENCE TOOL KIT 2: EARTHQUAKE	*BRODERBUND*	SC	ES
SCIENCE TOOL KIT MASTER MODULE	*BRODERBUND*	SC	GS
SCIENCE TOOL KIT MASTER MODULE	*BRODERBUND*	SC	PH
SCIENCE TOOL KIT MASTER MODULE	*BRODERBUND*	SC	SM
SEE THE U.S.A.	*COMPU-TEACH*	SS	GE
SEMCALC	*SUNBURST*	MA	AD
SEMCALC	*SUNBURST*	MA	AL
SEMCALC	*SUNBURST*	MA	NU
SEMCALC	*SUNBURST*	PS	
SENSIBLE GRAMMAR	*SENSIBLE*	IT	WP
SHAPE AND COLOR RODEO	*DLM*	PR	
SHOW TIME	*MECC*	LA	
SIMPLE MACHINES	*MICRO P&L*	SC	GS
SIMPLE MACHINES	*MICRO P&L*	SC	PH
SIR WILLIAM WRONG-NOTE	*TEMPORAL*	MU	
SKY LAB	*MECC*	SC	AY
SKY TRAVEL	*COMMODORE*	SC	AY
SMARTCOM II	*HAYES*	IT	TC
SMELL & TELL	*MARSHWARE*	SC	GS

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TITLE	PUBLISHER	CURR. AREA	TOPIC
SMOKING DECISION	SUNBURST	HL	
SOCMATE	AGS	LA	
SOLAR FOOD: EXPLAN. PHOTOSYNTHESIS	HRM SOFTWR	SC	BL
SONGWRITER	MINDSCAPE	MU	
SOUND IDEAS SERIES	HOUGHTON	LA	
SOUND TRACKS	MECC	MU	
SOUND TRACKS	MECC	PS	
SOUND: A MICROCOMPUTER-BASED LAB	HRM SOFTWR	SC	PH
SOUTH DAKOTA	ED'L ACTV	MA	NU
SPACE SUBTRACTION	MECC	MA	NU
SPANISH FREDWRITER	ED'L ACTV	WL	SP
SPECTRUM: PATTERNS AND PROGRAMS	SUNBURST	CS	
SPEEDWAY MATH	MECC	MA	NU
SPINNERS AND SLUGS	SCOTT FORS	MA	ST
STATES AND CAPITALS	GAMCO	SS	GE
STICKYBEAR ABC	OPTIMUM RES	LA	
STICKYBEAR ABC	OPTIMUM RES	PR	
STICKYBEAR DRAWING	OPTIMUM RES	AT	
STICKYBEAR MATH 1	OPTIMUM RES	MA	NU
STICKYBEAR MATH 2	OPTIMUM RES	MA	NU
STICKYBEAR NUMBERS	OPTIMUM RES	PR	
STICKYBEAR OPPOSITES	OPTIMUM RES	PR	
STICKYBEAR OPPOSITES	OPTIMUM RES	PS	
STICKYBEAR SHAPES	OPTIMUM RES	PR	
STICKYBEAR SHAPES	OPTIMUM RES	PS	
STICKYBEAR TOWN BUILDER	OPTIMUM RES	PS	
STICKYBEAR TOWN BUILDER	OPTIMUM RES	SS	SO
STICKYBEAR TYPING	OPTIMUM RES	KB	
STICKYBEAR WORD PROBLEMS	OPTIMUM RES	MA	NU
STORY TREE	SCHOLASTIC	PS	
STUDENT STORIES	MECC	LA	
STUFF AND FETCH	MECC	CS	
SUCCESS WITH TYPING	SCHOLASTIC	KB	
SUPER FACTORY, THE	SUNBURST	MA	GM
SUPER FACTORY, THE	SUNBURST	PS	
SUPER SCOOP II	COMPRESS	LA	
SUPERPAINT	SILICON BEAC	AT	
SUPERPAINT	SILICON BEAC	IT	GG
SUPERPLOT	EDUSOFT	MA	AD
SUPERPLOT	EDUSOFT	MA	AL
SUPERPRINT	SCHOLASTIC	AT	
SUPERPRINT	SCHOLASTIC	IT	GG
SURVEY TAKER	SCHOLASTIC	CS	
SURVEY TAKER	SCHOLASTIC	IT	DB
SURVEY TAKER	SCHOLASTIC	SS	SO
SURVIVAL MATH	SUNBURST	MA	NU
SWEET SHOPPE	DC HEATH	MA	NU
TAKE 1: ANIMATION GRAPHICS	BAUDVILLE	AT	
TAKE 1: ANIMATION GRAPHICS	BAUDVILLE	IT	GG
TALKING TEXT WRITER	SCHOLASTIC	LA	
TEASERS BY TOBBS	SUNBURST	MA	NU
TEASERS BY TOBBS	SUNBURST	PS	
TECMATH-DIFFERENTIATION	TECH ED	MA	AD
TECMATH-INTEGRATION	TECH ED	MA	AD
TEDDY'S PLAYGROUND	SUNBURST	MA	GM
TEDDY'S PLAYGROUND	SUNBURST	PR	
TEDDY'S PLAYGROUND	SUNBURST	PS	
TELLING TIME	GAMCO	MA	GM
TEMPERATURE EXPERIMENTS	HARTLEY	SC	PH
TEMPERATURE EXPERIMENTS	HARTLEY	SC	SM
TEN CLUES	SUNBURST	PS	
TERRAPIN LOGO	TERRAPIN	CS	
THINK QUICK	TLC	PS	
THOSE AMAZING READING MACHINES I-V	MECC	LA	
TIC TAC SHOW	ADV ID	PS	
TICKET TO PARIS	BLUE LION	WL	FR
TICKET TO SPAIN	BLUE LION	WL	SP
TIME EXPLORERS	GAMCO	MA	GM
TIME TUNNEL	FOCUS	SS	HI
TIMELINER	TOM SNYDER	IT	IM
TIMELINER	TOM SNYDER	SS	HI
TIP 'N FLIP	SUNBURST	PS	
TO PRESERVE, PROTECT, AND DEFEND	MECC	SS	GO
TOBBS LEARNS ALGEBRA	SUNBURST	MA	AL
TONEY LISTENS TO MUSIC	TEMPORAL	MU	
TONK IN THE LAND OF BUDDY-BOTS	MINDSCAPE	PS	
TOP DRAW	STYLEWARE	AT	
TOP DRAW	STYLEWARE	IT	GG
TOUCHY SUBJECT	MARSHWARE	SC	BL
TOY SHOP	BRODERBUND	AT	
TOY SHOP	BRODERBUND	VE	
TRADING POST	SUNBURST	PS	
TRIGONOMETRY OF THE RIGHT TRIANGLE	MINDSCAPE	MA	AD
TRIVIA MACHINE	MECC	CS	
TRIVIA MACHINE	MECC	LM	
TRIVIA MACHINE	MECC	PS	
TURBO PASCAL	BORLAND	CS	
TURBO PASCAL MAC	BORLAND	CS	
TURTLE TRACKS	SCHOLASTIC	CS	
TURTLE TRACKS	SCHOLASTIC	IT	GG

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TITLE	PUBLISHER	CURR. AREA	TOPIC
TYPE TO LEARN	SUNBURST	KB	
TYPE!	BRODERBUND	KB	
TYPING TUTOR IV	SIMON & SCHU	BE	TY
TYPING TUTOR IV	SIMON & SCHU	KB	
UN DIA EN MADRID	DC HEATH	WL	SP
UN DIA TIPICO	DC HEATH	WL	SP
UN REPAS FRANCAIS	DC HEATH	WL	FR
UN VIAJE EN TREN	DC HEATH	WL	SP
UNA FIESTA	DC HEATH	WL	SP
UNA VISITA A MEXICO	DC HEATH	WL	SP
UNDERSTANDING CHARTS AND GRAPHS	SVE	MA	ST
UNDERSTANDING WORD PROBLEMS	SVE	MA	NU
UNLOCKING THE MAP CODE	RAND MCNLY	SS	GE
US CONSTITUTION THEN AND NOW	SCHOLASTIC	SS	GO
US GOVERNMENT DATA BASE	SCHOLASTIC	SS	GO
US HISTORY DATA BASE	SCHOLASTIC	SS	HI
USA PROFILE	ACTIVE LEARN	SS	GE
USING A CALENDAR	HARTLEY	MA	GM
VIDEOWORKS II	BRODERBUND	AT	
VIDEOWORKS II	BRODERBUND	IT	GG
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VOLCANOES	IBM	SC	ES
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VOYAGE MIMI: ECOSYSTEMS	HOLT R&W	SC	EE
VOYAGE MIMI: INTRO TO COMPUTING	HOLT R&W	CS	
VOYAGE MIMI: ISLAND SURVIVORS	HOLT R&W	SC	EE
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VOYAGE MIMI: MAPS AND NAVIGATION	HOLT R&W	SC	ES
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VOYAGE MIMI: WHALES AND ENVIRONMENT	HOLT R&W	SC	SM
WALLYS WORD WORKS	SUNBURST	LA	
WALT DISNEY COMIC STRIP MAKER	SUNBURST	IT	GG
WALT DISNEY COMIC STRIP MAKER	SUNBURST	LA	
WEATHER AND CLIMATE LAB	SCHOLASTIC	SC	ES
WHAT'S MY LOGIC	MIDWESTPC	PS	
WHATSIT CORPORATION	SUNBURST	BE	EN
WHATSIT CORPORATION	SUNBURST	MA	NU
WHATSIT CORPORATION	SUNBURST	PS	
WHERE IN EUROPE IS CARMEN SANDIEGO?	BRODERBUND	SS	GE
WHERE IN USA IS CARMEN SANDIEGO?	BRODERBUND	PS	
WHERE IN USA IS CARMEN SANDIEGO?	BRODERBUND	SS	GE
WHERE IN WORLD IS CARMEN SANDIEGO?	BRODERBUND	LM	
WHERE IN WORLD IS CARMEN SANDIEGO?	BRODERBUND	PS	
WHERE IN WORLD IS CARMEN SANDIEGO?	BRODERBUND	SS	GE
WHO AM I?	FOCUS	SC	GS
WHOLE NUMBERS: ADD. AND SUBTRACTION	HOUGHTON	MA	NU
WHOLE NUMBERS: MULT. AND DIVISION	HOUGHTON	MA	NU
WINNIE THE POOH IN 100 ACRE WOOD	SUNBURST	LA	
WORD HERD: LOOK LIKES	MECC	LA	
WORD HERD: SOUND ALIKES	MECC	LA	
WORD MUNCHERS	MECC	LA	
WORD PERFECT	WORD PERFECT	IT	WP
WORD WIZARDS	MECC	LA	
WORD-A-MATION	SUNBURST	LA	
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WORDS AT WORK: CONTRACTION ACTION	MECC	LA	
WORKSHEET WIZARD I-III	EDUSOFT	MA	NU
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WRITING A CHARACTER SKETCH	MECC	LA	
WRITING A NARRATIVE	MECC	LA	
WRITING AN OPINION PAPER	MECC	LA	
WRITING WORKSHOP, THE	MILLIKEN	IT	WP
WRITING WORKSHOP, THE	MILLIKEN	LA	
YOU ARE WHAT YOU EAT	MARSHWARE	HL	
ZOYON PATROL	MECC	PS	

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PUBLISHER ABBREVIATIONS

A.L.P.S.	Automated Language Processing Systems
ACTIVE LEARN	Active Learning Systems
ADD WES	Addison-Wesley Publishing Co.
ADOBE	Adobe Systems
ADV ID	Advanced Ideas, Inc.
AGS	American Guidance Service, Inc.
ALDUS	Aldus
ALFRED MUSIC	Alfred Publishing Co., Inc.
ALLEN BONADI	allen bonadio associates
APPLE	Apple Computer, Inc.
ASHTON TATE	Ashton-Tate
ATARI	Atari Corp.
BAUDVILLE	Baudville
BEAGLE BRO	Beagle Brothers
BEDFORD SOFT	Bedford Software, Ltd.
BLUE LION	Blue Lion Software
BORLAND	Borland International
BRITANNICA	Britannica Software
BRODERBUND	Broderbund Software
C & C SOFT	C & C Software
CACTUSPLOT	Cactusplot Company
CHALLENGER	Challenger Software Corp.
CHANCERY SOF	Chancery Software, Ltd.
CLARIS	Claris Corp.
COMMODORE	Commodore Computer Systems Div.
COMPRESS	COMPress
COMPU-TEACH	Compu-Teach
CONDUIT	CONDUIT-University of Iowa
CREATIVE PUB	Creative Publications
CREATIVE TEC	Creative Technology, Inc.
CRICKET SW	Cricket Software
DAVIDSON	Davidson & Associates, Inc.
DC HEATH	D.C. Heath & Co.
DECISION	Decision Development Corp.
DESIGN SCI	Design Science
DIDATECH	Didatech Software
DLM	DLM
EARTHWARE	Earthware Computer Service
ED TECH	Educational Technology
ED'L ACTV	Educational Activities, Inc.
EDUSOFT	EduSoft
EDUTECH	EduTech
ELECTR ART	Electronic Arts
EPYX	Epyx, Inc.
ETC	Educational Technology Center/ Harvard Graduate School of Education
EXSYM	Exsym
FOCUS	Focus Media
FREESOFT	Freesoft Co.
GAMCO	Gamco Industries
GESSLER	Gessler Educational Software
GREAT WAVE	Great Wave Software
GROLIER	Grolier Electronic Publishing, Inc.
HARTLEY	Hartley Courseware
HAYES	Hayes Microcomputer Products, Inc.
HBJ	Harcourt Brace Jovanovich
HIGH TECH	High Technology Software Products
HOLT R&W	Holt, Rinehart and Winston
HOUGHTON	Houghton Mifflin Co.
HRM SOFTWR	HRM Software/ A Division of Queue, Inc.
HUMANITIES	Humanities Software
IBM	IBM Educational Systems
INNOVISION	Innovision
ISL SOFTWR	Island Software
KRELL	Krell Software Corp.

LCSI	Logo Computer Systems, Inc.
LEGO	Lego Systems, Inc.
LETRASET USA	Letraset USA
LIV TEXT	SYMANTEC/Living Videotext Division
LOTUS	Lotus Development Corp.
LRNG TECH	Learning Technologies
MARK DAVIDS	Mark Davids
MARSHWARE	Marshware
MCGRAW HILL	McGraw-Hill Book Co./School Division
MECC	MECC
MEDIAGENIC	Mediagenic
MEIZNER	Meizner Bussin Machines, Inc.
MENTOR LRN	Mentor Learning Systems, Inc.
MICRO P&L	Micro Power & Light Co.
MICROSOFT	Microsoft Corp.
MIDWESTPC	Midwest Publications, Inc.
MILLIKEN	Milliken Publishing Co.
MINDPLAY	Mindplay, Inc.
MINDSCAPE	Mindscape, Inc.
NASHOBA	Nashoba Systems, Inc.
NATIONAL GEO	National Geographic Society
NEWSWEEK	Newsweek, Inc.
OPTIMUM RES	Optimum Resource, Inc.
PAPERBACK	Paperback Software
PASSPORT	Passport Designs, Inc.
PRENTICE	Prentice-Hall Allyn and Bacon
PTI-KOALA	PTI-Koala
RAND MCNLY	Rand McNally & Co.
RANDOM	Random House School Division
SAVTEK CORP	Savtek Corp.
SCHOLASTIC	Scholastic, Inc.
SCOTT FORS	Scott, Foresman and Co.
SENSIBLE	Sensible Software
SHENANDOAH	Shenandoah Software
SILICON BEAC	Silicon Beach Software, Inc.
SILVER	Silver Burdett & Ginn
SIMON & SCHU	Simon & Schuster Software
SOFTSWAP	Softswap
SPINNAKER	Spinnaker Software, Inc.
SPRINGBOARD	Springboard Software
STYLEWARE	Styleware, Inc.
SUNBURST	Sunburst Communications
SVE	Society for Visual Education
SW PUB	South-Western Publishing Co.
TECH ED	Technical Educational Consultants
TEMPORAL	Temporal Acuity Products, Inc.
TERRAPIN	Terrapin, Inc.
TIME	Time Education Center
TLC	Learning Company, The
TOM SNYDER	Tom Snyder Productions
TRUE BASIC	True BASIC, Inc.
TYC	Teach Yourself by Computer Software, Inc.
VERNIER	Vernier Software
WILEY	John Wiley & Sons, Inc.
WORD PERFECT	Word Perfect Corporation

PUBLISHERS' ADDRESSES

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